# WEST Search History

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| ☐ | L3 | (dipeptidyl peptidase IV or dppiv) and crystal | 317 |
| | *DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ* | | |
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| ☐ | L1 | (dipeptidyl peptidase IV or dppiv) and crystal | 143 |

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**Search Results** - Record(s) 1 through 30 of 40 returned.

☐ 1. Document ID: US 6995183 B2

**Using default format because multiple data bases are involved.**

L2: Entry 1 of 40 File: USPT Feb 7, 2006

US-PAT-NO: 6995183
DOCUMENT-IDENTIFIER: US 6995183 B2

TITLE: Adamantylglycine-based inhibitors of dipeptidyl peptidase IV and methods

DATE-ISSUED: February 7, 2006

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|---|---|
| US 20050038020 A1 | February 17, 2005 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Hamann; Lawrence G. | Cherry Hill | NJ | | US |
| Khanna; Ashish | Ambler | PA | | US |
| Kirby; Mark S. | New Hope | PA | | US |
| Magnin; David R. | Hamilton | NJ | | US |
| Simpkins; Ligaya M. | Titusville | NJ | | US |
| Sutton; James C. | Princeton Junction | NJ | | US |
| Robl; Jeffrey | Newtown | PA | | US |

US-CL-CURRENT: 514/412; 514/210.01, 514/227.5, 514/231.2, 514/299, 514/319, 514/367, 514/374, 544/106, 544/59, 546/112, 546/195, 548/200, 548/215, 548/452, 548/528, 548/953

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2. Document ID: US 6991809 B2

L2: Entry 2 of 40 File: USPT Jan 31, 2006

US-PAT-NO: 6991809
DOCUMENT-IDENTIFIER: US 6991809 B2

TITLE: Particles with improved solubilization capacity

DATE-ISSUED: January 31, 2006

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|---|---|
| US 20030022242 A1 | January 30, 2003 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Anderson; David | Colonial Heights | VA | | US |

US-CL-CURRENT: 424/490; 424/489, 424/491, 424/725, 424/745, 424/747, 428/402.24, 428/422, 428/426, 428/450

ABSTRACT:

A particle is disclosed that comprises a first volume of hydrophobe-rich material with tunable dissolution and solubilization characteristics and a distinct second volume of nanostructured nonlamellar liquid crystalline material, said second volume containing said first domain and being capable of being in equilibrium with said first volume. Preferably, the nanostructured nonlamellar liquid crystalline material is capable of being in equilibrium with a polar solvent or a water-immiscible solvent or both.

84 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1



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☐ 3. Document ID: US 6989195 B2

L2: Entry 3 of 40 File: USPT Jan 24, 2006

US-PAT-NO: 6989195
DOCUMENT-IDENTIFIER: US 6989195 B2

TITLE: Coated particles, methods of making and using

DATE-ISSUED: January 24, 2006

PRIOR-PUBLICATION:

| DOC-ID | DATE |
|---|---|
| US 20040201117 A1 | October 14, 2004 |

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Anderson; David | Colonial Heights | VA | | US |

US-CL-CURRENT: 428/402.24; 424/422, 424/426, 424/490, 435/7.1

ABSTRACT:

A particle coated with a nonlamellar material such as a nonlamellar crystalline

material, a nonlamellar amorphous material, or a nonlamellar semi-crystalline material includes an internal matrix core having at least one a nanostructured liquid phase, or at least on nanostructured liquid crystalline phase or a combination of the two is used for the delivery of active agents such as pharmaceuticals, nutrients, pesticides, etc. The coated particle can be fabricated by a variety of different techniques where the exterior coating is a nonlamellar material such as a nonlamellar crystalline material, a nonlamellar amorphous material, or a nonlamellar semi-crystalline material.

66 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11



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☐ 4. Document ID: US 6979741 B2

L2: Entry 4 of 40 File: USPT Dec 27, 2005

US-PAT-NO: 6979741
DOCUMENT-IDENTIFIER: US 6979741 B2

TITLE: Acetyl-CoA carboxylase inhibitors

DATE-ISSUED: December 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Perry; David A. | Mystic | CT | | |
| Harwood; H. James | Ledyard | CT | | |

US-CL-CURRENT: 548/229

ABSTRACT:

Acetyl Coenzyme A Carboxylase inhibitors, pharmaceutical compositions containing such compounds and the use of such compounds to treat for example, Metabolic Syndrome including atherosclerosis, diabetes and obesity.

1 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 5. Document ID: US 6977256 B2

L2: Entry 5 of 40 File: USPT Dec 20, 2005

US-PAT-NO: 6977256
DOCUMENT-IDENTIFIER: US 6977256 B2

TITLE: Compounds and compositions as cathepsin S inhibitors

DATE-ISSUED: December 20, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Li; Jiayo | San Bruno | CA | | |
| Aldous; David J. | Gillette | NJ | | |
| Thurairatnam; Sukanthini | Bedminster | NJ | | |

US-CL-CURRENT: 514/237.8; 514/231.2, 514/236.2, 514/237.5, 544/106, 544/124, 544/138

ABSTRACT:

The present invention relates to novel selective cathepsin S inhibitors, the pharmaceutically acceptable salts and N-oxides thereof, their uses as therapeutic agents and the methods of their making. ##STR1##

21 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 6. Document ID: US 6967212 B2

L2: Entry 6 of 40 File: USPT Nov 22, 2005

US-PAT-NO: 6967212
DOCUMENT-IDENTIFIER: US 6967212 B2

TITLE: Substituted azole acid derivatives useful as antidiabetic and antiobesity agents and method

DATE-ISSUED: November 22, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Cheng; Peter T. | Princeton | NJ | | |
| Zhang; Hao | Belle Mead | NJ | | |

US-CL-CURRENT: 514/365; 514/374, 548/194, 548/236

ABSTRACT:

Compounds are provided which have the structure ##STR1##

wherein Q is C or N; R.sup.2a, R.sup.2b, R.sup.2c, X.sub.1 to X.sub.7, R.sup.1, R.sup.2, R.sup.3, R.sup.3a, R.sup.4, A, Y, m, and n are as defined herein, which compounds are useful as antidiabetic, hypolipidemic, and antiobesity agents. The present invention further provides a method for treating obesity and dyslipidemia in mammals including humans through simultaneous inhibition of peroxisome

proliferator activated receptor-.gamma. (PPAR.gamma.) and stimulation of peroxisome proliferator activated receptor-.alpha. (PPAR.alpha.).

19 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 7. Document ID: US 6953679 B2

L2: Entry 7 of 40 File: USPT Oct 11, 2005

US-PAT-NO: 6953679
DOCUMENT-IDENTIFIER: US 6953679 B2

TITLE: Method for the preparation of fused heterocyclic succinimide compounds and analogs thereof

DATE-ISSUED: October 11, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Salvati; Mark E. | Lawrenceville | NJ | | |
| Mitt; Toomas | Plainsboro | NJ | | |
| Patel; Ramesh N. | Bridgewater | NJ | | |
| Hanson; Ronald L. | Morris Plains | NJ | | |
| Brzozowski; David | Piscataway | NJ | | |
| Goswami; Animesh | Plainsboro | NJ | | |
| Chu; Linda Nga Hoong | East Brunswick | NJ | | |
| Li; Wen-sen | Holmdel | NJ | | |
| Simpson; James H. | Hillsborough | NJ | | |
| Totleben; Michael J. | North Brunswick | NJ | | |
| He; Weixuan | Dayton | NJ | | |

US-CL-CURRENT: 435/121

ABSTRACT:

Fused cyclic compounds, methods of using such compounds in the treatment of nuclear hormone receptor-associated conditions such as cancer and immune disorders, and pharmaceutical compositions containing such compounds.

4 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 8. Document ID: US 6949514 B2

L2: Entry 8 of 40 File: USPT Sep 27, 2005

US-PAT-NO: 6949514
DOCUMENT-IDENTIFIER: US 6949514 B2

TITLE: Anti-tumor agents

DATE-ISSUED: September 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Wallner; Barbara | Cohasset | MA | | |
| Miller; Glenn | Merrimac | MA | | |

US-CL-CURRENT: 514/14; 514/15, 514/16, 514/17, 514/18, 514/19

ABSTRACT:

A method for treating subjects with abnormal cell proliferation is provided. The method involves administering to subjects in need of such treatment an effective amount of an agent of Formula I, to inhibit cell proliferation such as that associated with tumor growth and metastasis. A method for inhibiting angiogenesis in an abnormal proliferative cell mass by the administration of an agent of Formula I is also provided.

52 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 9. Document ID: US 6927227 B2

L2: Entry 9 of 40 File: USPT Aug 9, 2005

US-PAT-NO: 6927227
DOCUMENT-IDENTIFIER: US 6927227 B2

TITLE: Heterocyclic containing biphenyl aP2 inhibitors and method

DATE-ISSUED: August 9, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Robl; Jeffrey A. | Newtown | PA | | |
| Magnin; David R. | Hamilton | NJ | | |

US-CL-CURRENT: 514/365; 514/374, 514/399, 548/203, 548/235, 548/252, 548/314.7, 548/341.1

ABSTRACT:

aP2 inhibiting compounds are provided having the formula ##STR1##

wherein R.sup.1, R.sup.2, R.sup.3, R.sup.4, X--Z and ##STR2##

are as described herein.

A method is also provided for treating diabetes and related diseases, especially Type II diabetes, employing such aP2 inhibitor or a combination of such aP2 inhibitor and another antidiabetic agent such as metformin, glyburide, troglitazone and/or insulin.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 10. Document ID: US 6919323 B2

L2: Entry 10 of 40 File: USPT Jul 19, 2005

US-PAT-NO: 6919323
DOCUMENT-IDENTIFIER: US 6919323 B2

TITLE: Pyridazinone inhibitors of fatty acid binding protein and method

DATE-ISSUED: July 19, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Sulsky; Richard | West Trenton | NJ | | |
| Robl; Jeffrey A. | Newtown | PA | | |

US-CL-CURRENT: 514/85; 514/247, 514/252.05, 544/232, 544/238, 544/239, 544/240

ABSTRACT:

aP2 inhibiting compounds are provided having the formula ##STR1##

wherein A, X, R and Z are as described herein.

A method is also provided for treating diabetes and related diseases, especially Type II diabetes, employing such aP2 inhibitors alone or in combination with other therapeutic agents, including other antidiabetic agent such as metformin, glyburide, troglitazone and/or insulin.

9 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 11. Document ID: US 6919178 B2

L2: Entry 11 of 40 File: USPT Jul 19, 2005

US-PAT-NO: 6919178
DOCUMENT-IDENTIFIER: US 6919178 B2

TITLE: Extended tethering approach for rapid identification of ligands

DATE-ISSUED: July 19, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Erlanson; Daniel A. | San Francisco | CA | | |
| Braisted; Andrew C. | San Francisco | CA | | |
| McDowell; Robert | San Francisco | CA | | |
| Prescott; John | San Francisco | CA | | |

US-CL-CURRENT: 435/6; 435/4, 435/7.1

ABSTRACT:

The invention concerns a method for rapid identification and characterization of binding partners for a target molecule, and for providing binding partners with improved binding affinity. More specifically, the invention concerns an improved tethering method for the rapid identification of at least two binding partners that bind near one another to a target molecule.

27 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 12. Document ID: US 6905827 B2

L2: Entry 12 of 40 File: USPT Jun 14, 2005

US-PAT-NO: 6905827
DOCUMENT-IDENTIFIER: US 6905827 B2

TITLE: Methods and compositions for diagnosing or monitoring auto immune and chronic inflammatory diseases

DATE-ISSUED: June 14, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Wohlgemuth; Jay | Palo Alto | CA | | |
| Fry; Kirk | Palo Alto | CA | | |

| | | |
|---|---|---|
| Woodward; Robert | Pleasanton | CA |
| Ly; Ngoc | San Bruno | CA |

US-CL-CURRENT: 435/6; 435/7.1, 435/91.2

ABSTRACT:

Methods of diagnosing or monitoring an autoimmune or chronic inflammatory disease, particularly SLE in a patient by detecting the expression level of one or more genes or surrogates derived therefrom in the patient are described. Diagnostic oligonucleotides for diagnosing or monitoring chronic inflammatory disease, particularly SLE infection and kits or systems containing the same are also described.

9 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 13. Document ID: US 6896881 B1

L2: Entry 13 of 40 File: USPT May 24, 2005

US-PAT-NO: 6896881
DOCUMENT-IDENTIFIER: US 6896881 B1

TITLE: Therapeutic methods and compositions using viruses of the recombinant paramyxoviridae family

DATE-ISSUED: May 24, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Russell; Stephen James | Rochester | MN | | |
| Peng; Kah-Whye | Rochester | MN | | |

US-CL-CURRENT: 424/93.2; 424/192.1, 424/212.1, 424/93.21, 435/320.1, 435/6

ABSTRACT:

The invention relates to compositions and methods for treating a patient having a tumor in order to reduce tumor size, comprising administering to the patient a replication-competent Paramyxoviridae virus comprising two or more of a) a nucleic acid sequence encoding a heterologous polypeptide, wherein upon administration the heterologous polypeptide is detectable in a biological fluid of the patient, and detection of the heterologous polypeptide is indicative of Paramyxoviridae virus growth in the patient and reduction in tumor size; b) a recombinant F protein, H protein, or M protein of Paramyxoviridae virus that increases fusogenicity of virus with cells; c) a nucleic acid sequence encoding a cytokine; and d) a Paramyxoviridae virus that is specific for cells of the tumor.

21 Claims, 45 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 29

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 14. Document ID: US 6890904 B1

L2: Entry 14 of 40 File: USPT May 10, 2005

US-PAT-NO: 6890904
DOCUMENT-IDENTIFIER: US 6890904 B1
** See image for Certificate of Correction **

TITLE: Anti-tumor agents

DATE-ISSUED: May 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Wallner; Barbara P. | Cohasset | MA | | |
| Miller; Glenn | Merrimac | MA | | |

US-CL-CURRENT: 514/14; 514/15, 514/16, 514/17, 514/18, 514/19

ABSTRACT:

A method for treating subjects with abnormal cell proliferation is provided. The method involves administering to subjects in need of such treatment an effective amount of an agent of Formula I, to inhibit cell proliferation such as that associated with tumor growth and metastasis. A method for inhibiting angiogenesis in an abnormal proliferative cell mass by the administration of an agent of Formula I is also provided.

64 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 15. Document ID: US 6867218 B2

L2: Entry 15 of 40 File: USPT Mar 15, 2005

US-PAT-NO: 6867218
DOCUMENT-IDENTIFIER: US 6867218 B2

TITLE: Compounds, their preparation and use

DATE-ISSUED: March 15, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Mogensen; John Patrick | Herlev | | | DK |
| Sauerberg; Per | Farum | | | DK |
| Bury; Paul Stanley | Kobenhavn | | | DK |
| Jeppesen; Lone | Virum | | | DK |
| Pettersson; Ingrid | Frederiksberg | | | DK |

US-CL-CURRENT: 514/311; 514/464, 514/469, 546/174, 546/342, 549/447, 549/462

ABSTRACT:

The present invention relates to compounds of the general formula (I) ##STR1##

The compounds are useful in the treatment and/or prevention of conditions mediated by nuclear receptors, in particular the Peroxisome Proliferator-Activated Receptors (PPAR).

53 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 16. Document ID: US 6867005 B2

L2: Entry 16 of 40 File: USPT Mar 15, 2005

US-PAT-NO: 6867005
DOCUMENT-IDENTIFIER: US 6867005 B2

TITLE: Method and apparatus for increasing the dynamic range and accuracy of binding assays

DATE-ISSUED: March 15, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Keys; Daniel A. | Irvine | CA | | |
| Reddy; Parameswara M. | Brea | CA | | |

US-CL-CURRENT: 435/7.1; 435/286.1, 435/287.2, 435/288.7, 436/164, 436/172

ABSTRACT:

This invention relates to methods for increasing the dynamic range and accuracy of assays in which the presence, absence, activity or concentration of a target analyte is assayed by the emission or quenching of a light signal, or by a change (i.e., an evolution or loss) of a light signal in two or more time intervals. In preferred embodiments multiple digitized images are captured at varying times, and the images analyzed to identify captured images within the dynamic range of the assay. The invention further relates to apparati capable of implementing such methods.

28 Claims, 3 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 17. Document ID: US 6713508 B2

L2: Entry 17 of 40 File: USPT Mar 30, 2004

US-PAT-NO: 6713508
DOCUMENT-IDENTIFIER: US 6713508 B2

TITLE: Benzopyrancarboxylic acid derivatives for the treatment of diabetes and lipid disorders

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Sahoo; Soumya P. | Old Bridge | NJ | | |
| Koyama; Hiroo | Hoboken | NJ | | |
| Miller; Daniel J. | Edison | NJ | | |
| Boueres; Julia K. | Piscataway | NJ | | |
| Desai; Ranjit C. | Kendall Park | NJ | | |

US-CL-CURRENT: 514/456; 514/458, 549/405

ABSTRACT:

A class of benzopyrancarboxylic acid derivatives comprises compounds that are potent agonists of PPAR alpha and/or gamma, and are therefore useful in the treatment, control or prevention of non-insulin dependent diabetes mellitus (NIDDM), hyperglycemia, dyslipidemia, hyperlipidemia, hypercholesterolemia, hypertriglyceridemia, atherosclerosis, obesity, vascular restenosis, inflammation, and other PPAR alpha and/or gamma mediated diseases, disorders and conditions.

48 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. D

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☐ 18. Document ID: US 6703238 B2

L2: Entry 18 of 40 File: USPT Mar 9, 2004

US-PAT-NO: 6703238
DOCUMENT-IDENTIFIER: US 6703238 B2

TITLE: Methods for expanding antigen-specific T cells

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Bachovchin; William | Melrose | MA | | |
| Wallner; Barbara | Weston | MA | | |

US-CL-CURRENT: 435/325; 424/184.1, 424/195.11, 435/377, 435/383, 514/2

ABSTRACT:

Methods for expanding antigen-specific T cells in vitro are provided. The methods involve contacting hematopoietic precursor or progenitor cells with a heteroconjugate containing an inhibitor of dipeptidyl peptidase (DPIV) attached to an antigenic peptide, optionally with a culture step to expand T cells with a DPIV inhibitor. The culture may be performed in the absence of exogenously provided cytokines.

19 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5



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☐ 19. Document ID: US 6699871 B2

L2: Entry 19 of 40 File: USPT Mar 2, 2004

US-PAT-NO: 6699871
DOCUMENT-IDENTIFIER: US 6699871 B2
**** See image for Certificate of Correction ****

TITLE: Beta-amino heterocyclic dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes

DATE-ISSUED: March 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Edmondson; Scott D. | New York | NJ | | |
| Fisher; Michael H. | Ringoes | NJ | | |
| Kim; Dooseop | Westfield | NJ | | |
| Maccoss; Malcolm | Freehold | NJ | | |
| Parmee; Emma R. | Scotch Plains | NJ | | |
| Weber; Ann E. | Scotch Plains | NJ | | |
| Xu; Jinyou | Scotch Plains | NJ | | |

US-CL-CURRENT: 514/249; 544/350

ABSTRACT:

The present invention is directed to compounds which are inhibitors of the dipeptidyl peptidase-IV enzyme ("DP-IV inhibitors") and which are useful in the treatment or prevention of diseases in which the dipeptidyl peptidase-IV enzyme is involved, such as diabetes and particularly type 2 diabetes. The invention is also directed to pharmaceutical compositions comprising these compounds and the use of these compounds and compositions in the prevention or treatment of such diseases in which the dipeptidyl peptidase-IV enzyme is involved.

26 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 20. Document ID: US 6673571 B2

L2: Entry 20 of 40 File: USPT Jan 6, 2004

US-PAT-NO: 6673571
DOCUMENT-IDENTIFIER: US 6673571 B2

TITLE: Polypeptides having aminopeptidase activity and nucleic acids encoding same

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Blinkovsky; Alexander | Davis | CA | | |
| Byun; Tony S. | Davis | CA | | |
| Klotz; Alan V. | Dixon | CA | | |
| Sloma; Alan | Davis | CA | | |
| Brown; Kimberly | Elk Grove | CA | | |
| Tang; Maria | Fairfield | CA | | |
| Fujii; Mikio | Shizuoka | | | JP |
| Marumoto; Chigusa | Shizuoka | | | JP |
| Kofod; Lene Venke | Uggel.o slashed.se | | | DK |

US-CL-CURRENT: 435/69.1; 435/183, 435/252.3, 435/252.31, 435/252.33, 435/320.1, 536/23.1, 536/23.2

ABSTRACT:

The present invention relates to isolated polypeptides having aminopeptidase activity and isolated nucleic acid sequences encoding the polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the nucleic acid sequences as well as methods for producing and using the polypeptides.

7 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

☐ 21. Document ID: US 6670380 B2

L2: Entry 21 of 40 File: USPT Dec 30, 2003

US-PAT-NO: 6670380
DOCUMENT-IDENTIFIER: US 6670380 B2

TITLE: Pyridone inhibitors of fatty acid binding protein and method

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Sulsky; Richard | West Trenton | NJ | | |
| Robl; Jeffrey A. | Newtown | PA | | |

US-CL-CURRENT: 514/345; 514/332, 514/333, 514/334, 514/335, 514/336, 514/340, 514/350, 546/256, 546/261, 546/268.1, 546/268.4, 546/290, 546/296, 546/298, 546/302, 546/303

ABSTRACT:

Compounds are provided having the formula: ##STR1##

wherein A, Q, and X are as described herein.

A method is also provided for treating diabetes and related diseases, especially Type II diabetes, employing such compounds alone or in combination with other antidiabetic agents such as metformin, glyburide, troglitazone and/or insulin.

14 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 22. Document ID: US 6664092 B1

L2: Entry 22 of 40 File: USPT Dec 16, 2003

US-PAT-NO: 6664092
DOCUMENT-IDENTIFIER: US 6664092 B1

TITLE: Polypeptides having dipeptidyl aminopeptidase activity and nucleic acids encoding same

DATE-ISSUED: December 16, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|

| | | |
|---|---|---|
| Blinkovsky; Alexander | Davis | CA |
| Brown; Kimberly | Elk Grove | CA |
| Rey; Michael W. | Davis | CA |
| Klotz; Alan | Dixon | CA |
| Byun; Tony | Davis | CA |

US-CL-CURRENT: 435/212; 426/533, 426/549, 435/252.33, 435/254.3, 435/320.1, 536/23.1, 536/23.2, 536/23.74

ABSTRACT:

The present invention relates to isolated polypeptides having dipeptidyl aminopeptidase activity and isolated nucleic acid sequences encoding the polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the nucleic acid sequences as well as methods for producing and using the polypeptides.

26 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4



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☐ 23. Document ID: US 6649622 B2

L2: Entry 23 of 40 File: USPT Nov 18, 2003

US-PAT-NO: 6649622
DOCUMENT-IDENTIFIER: US 6649622 B2

TITLE: Tetrahydropyrimidone inhibitors of fatty acid binding protein and method

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Sulsky; Richard | West Trenton | NJ | | |
| Robl; Jeffrey A. | Newtown | PA | | |

US-CL-CURRENT: 514/274; 544/231, 544/243, 544/315, 544/316, 544/318

ABSTRACT:

aP2 inhibiting compounds are provided having the formula ##STR1##

wherein A, B, X, and Y are as described herein.

A method is also provided for treating diabetes and related diseases, especially Type II diabetes, employing such aP2 inhibitor or a combination of such aP2 inhibitor and another antidiabetic agent such as metformin, glyburide, troglitazone and/or insulin.

11 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 24. Document ID: US 6645997 B2

L2: Entry 24 of 40 File: USPT Nov 11, 2003

US-PAT-NO: 6645997
DOCUMENT-IDENTIFIER: US 6645997 B2

TITLE: Benzopyrancarboxylic acid derivatives for the treatment of diabetes and lipid disorders

DATE-ISSUED: November 11, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Sahoo; Soumya P. | Old Bridge | NJ | | |
| Koyama; Hiroo | Hoboken | NJ | | |
| Miller; Daniel J. | Edison | NJ | | |
| Boueres; Julia K. | Piscataway | NJ | | |
| Desai; Ranjit C. | Kendall Park | NJ | | |

US-CL-CURRENT: 514/456; 514/457, 549/399, 549/400, 549/401, 549/402, 549/404, 549/405

ABSTRACT:

A class of benzopyrancarboxylic acid derivatives comprises compounds that are potent agonists of PPAR alpha and/or gamma, and are therefore useful in the treatment, control or prevention of non-insulin dependent diabetes mellitus (NIDDM), hyperglycemia, dyslipidemia, hyperlipidemia, hypercholesterolemia, hypertriglyceridemia, atherosclerosis, obesity, vascular restenosis, inflammation, and other PPAR alpha and/or gamma mediated diseases, disorders and conditions.

45 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 25. Document ID: US 6638621 B2

L2: Entry 25 of 40 File: USPT Oct 28, 2003

US-PAT-NO: 6638621
DOCUMENT-IDENTIFIER: US 6638621 B2
** See image for Certificate of Correction **

TITLE: Coated particles, methods of making and using

DATE-ISSUED: October 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Anderson; David | Colonial Heights | VA | | |

US-CL-CURRENT: 428/402.24; 424/422, 424/426, 424/450, 435/176

ABSTRACT:

A particle coated with a nonlamellar material such as a nonlamellar crystalline material, a nonlamellar amorphous material, or a nonlamellar semi-crystalline material includes an internal matrix core having at least one a nanostructured liquid phase, or at least on nanostructured liquid crystalline phase or a combination of the two is used for the delivery of active agents such as pharmaceuticals, nutrients, pesticides, etc. The coated particle can be fabricated by a variety of different techniques where the exterior coating is a nonlamellar material such as a nonlamellar crystalline material, a nonlamellar amorphous material, or a nonlamellar semi-crystalline material.

107 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 11

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 26. Document ID: US 6610294 B1

L2: Entry 26 of 40 File: USPT Aug 26, 2003

US-PAT-NO: 6610294
DOCUMENT-IDENTIFIER: US 6610294 B1

TITLE: Methods of inhibiting an autoimmune response in a human suffering from an autoimmune disease by administering an antibody that binds to a protein to which monoclonal antibody 5C8 binds

DATE-ISSUED: August 26, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Lederman; Seth | New York | NY | | |
| Chess; Leonard | Scarsdale | NY | | |
| Yellin; Michael J. | Riverdale | NY | | |

US-CL-CURRENT: 424/154.1; 424/130.1, 424/133.1, 424/141.1, 424/143.1, 424/153.1, 424/173.1, 424/178.1, 424/183.1, 424/188.1, 530/387.1, 530/387.3, 530/388.1, 530/388.22, 530/388.7, 530/388.73, 530/388.75, 530/391.3, 530/391.7

ABSTRACT:

This invention provides a method of inhibiting an autoimmune response in an animal suffering from an autoimmune disease selected from the group consisting of psoriasis, Lyme disease and hyper IgE syndrome which comprises administering to the animal, in an amount effective to treat the autoimmune disease, an antibody that binds specifically to a protein specifically recognized by monoclonal antibody 5c8 produced by the hybridoma having ATCC Accession No. HB 10916.

16 Claims, 92 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 42

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 27. Document ID: US 6569901 B2

L2: Entry 27 of 40 File: USPT May 27, 2003

US-PAT-NO: 6569901
DOCUMENT-IDENTIFIER: US 6569901 B2

TITLE: Alkynyl-substituted propionic acid derivatives, their preparation and use

DATE-ISSUED: May 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Mogensen; John Patrick | Herlev | | | DK |
| Sauerberg; Per | Farum | | | DK |
| Bury; Paul Stanley | Kobenhavn NV | | | DK |
| Jeppesen; Lone | Virum | | | DK |
| Pettersson; Ingrid | Frederiksberg | | | DK |

US-CL-CURRENT: 514/532; 514/535, 514/537, 514/538, 514/539, 514/568, 560/55, 560/56, 560/78, 560/80, 560/81, 562/465, 562/470

ABSTRACT:

The present invention relates to compounds of formula (I) ##STR1##

The compounds are useful in the treatment and/or prevention of conditions mediated by nuclear receptors, in particular the Peroxisome Proliferator-Activated Receptors (PPAR).

60 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 28. Document ID: US 6555577 B1

L2: Entry 28 of 40 File: USPT Apr 29, 2003

US-PAT-NO: 6555577
DOCUMENT-IDENTIFIER: US 6555577 B1

TITLE: Compounds, their preparation and use

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Mogensen; John Patrick | Herlev | | | DK |
| Sauerberg; Per | Farum | | | DK |
| Bury; Paul Stanley | Copenhagen | | | DK |
| Jeppesen; Lone | Virum | | | DK |
| Pettersson; Ingrid | Frederiksberg | | | DK |

US-CL-CURRENT: 514/532; 514/461, 514/530, 514/570, 549/501, 560/56, 560/59, 560/60, 560/62, 562/466, 562/470

ABSTRACT:

The present invention relates to compounds of the general formula (I) ##STR1##

The compounds are useful in the treatment and/or prevention of conditions mediated by nuclear receptors, in particular the Peroxisome Proliferator-Activated Receptors (PPAR).

50 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 29. Document ID: US 6548529 B1

L2: Entry 29 of 40 File: USPT Apr 15, 2003

US-PAT-NO: 6548529
DOCUMENT-IDENTIFIER: US 6548529 B1
**** See image for Certificate of Correction ****

TITLE: Heterocyclic containing biphenyl aP2 inhibitors and method

DATE-ISSUED: April 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Robl; Jeffrey A. | Newtown | PA | | |
| Sulsky; Richard B. | West Trenton | NJ | | |
| Magnin; David R. | Hamilton | NJ | | |

US-CL-CURRENT: 514/406; 548/376.1

ABSTRACT:

aP2 inhibiting compounds are provided having the formula ##STR1##

wherein R.sup.1, R.sup.2, R.sup.3, R.sup.4, X-Z and ##STR2##

are as described herein.

A method is also provided for treating diabetes and related diseases, especially Type II diabetes, employing such aP2 inhibitor or a combination of such aP2 inhibitor and another antidiabetic agent such as metformin, glyburide, troglitazone and/or insulin.

27 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 30. Document ID: US 6482517 B1

L2: Entry 30 of 40 File: USPT Nov 19, 2002

US-PAT-NO: 6482517
DOCUMENT-IDENTIFIER: US 6482517 B1

TITLE: Coated particles, methods of making and using

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Anderson; David M. | Petersburg | VA | | |

US-CL-CURRENT: 428/402.24; 424/422, 424/426, 424/450

ABSTRACT:

A particle coated with a nonlamellar crystalline material includes an internal matrix core having at least one nanostructured liquid phase, or at least one nanostructured liquid crystalline phase or a combination of the two is used for the delivery of active agents such as pharmaceuticals, nutrients, pesticides, etc. The coated particle can be fabricated by a variety of different techniques where the exterior coating is a nonlamellar crystalline material.

116 Claims, 8 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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| Terms | Documents |
|---|---|
| L1 and x-ray | 40 |

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☐ 31. Document ID: US 6465209 B1

**Using default format because multiple data bases are involved.**

L2: Entry 31 of 40 File: USPT Oct 15, 2002

US-PAT-NO: 6465209
DOCUMENT-IDENTIFIER: US 6465209 B1

TITLE: Methods of producing protein hydrolysates

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Blinkovsky; Alexander | Davis | CA | | |
| Brown; Kimberly | Elk Grove | CA | | |
| Golightly; Elizabeth | Davis | CA | | |
| Byun; Tony | Davis | CA | | |
| Mathiasen; Thomas E. | Copenhagen | | | DK |
| Kofod; Lene V. | Uggel.o slashed.se | | | DK |
| Fujii; Mikio | Shizuoka | | | JP |
| Marumoto; Chigusa | Shizuoka | | | JP |

US-CL-CURRENT: 435/68.1; 435/71.1, 435/71.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

☐ 32. Document ID: US 6410556 B1

L2: Entry 32 of 40 File: USPT Jun 25, 2002

US-PAT-NO: 6410556
DOCUMENT-IDENTIFIER: US 6410556 B1
** See image for Certificate of Correction **

TITLE: Modulators of protein tyrosine phosphateses (PTPases)

DATE-ISSUED: June 25, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Andersen; Henrik Sune | Lyngby | | | DK |

| | | | |
|---|---|---|---|
| Hansen; Thomas Kruse | Herlev | | DK |
| Lau; Jesper | Farum | | DK |
| M.o slashed.ller; Niels Peter Hundahl | K.o slashed.benhavn .O slashed. | | DK |
| Olsen; Ole Hvilsted | Br.o slashed.nsh.o slashed.j | | DK |
| Axe; Frank Urban | Escondido | CA | |
| Ge; Yu | San Diego | CA | |
| Holsworth; Daniel Dale | San Diego | CA | |
| Jones; Todd Kevin | Solana Beach | CA | |
| Judge; Luke Milburn | Seattle | WA | |
| Ripka; Wiliam Charles | San Diego | CA | |
| Shapira; Barry Zvi | Acton | CA | |
| Uyeda; Roy Teruyuki | San Diego | CA | |

US-CL-CURRENT: 514/301; 514/229.8, 514/302, 540/476, 540/593, 546/114, 546/115, 546/116, 548/453

ABSTRACT:

Disclosed are novel compounds, novel compositions, methods of their use, and methods of their manufacture, where such compounds of Formula 1 are pharmacologically useful inhibitors of Protein Tyrosine Phosphatases (PTPase's) including PTP1B, T cell PTP, ##STR1##

wherein n, m, X, R.sub.1, R.sub.2, R.sub.3, R.sub.4, R.sub.5, R.sub.6, and R.sub.7 are defined more fully in the description. The compounds are useful in the treatment of type I diabetes, type II diabetes, impaired glucose tolerance, insulin resistance, obesity, and other diseases.

77 Claims, 0 Drawing figures
Exemplary Claim Number: 1



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☐ 33. Document ID: US 6399349 B1

L2: Entry 33 of 40 File: USPT Jun 4, 2002

US-PAT-NO: 6399349
DOCUMENT-IDENTIFIER: US 6399349 B1

TITLE: Human aminopeptidase P gene

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Ryan; James W. | Augusta | GA | 30909-3027 | |
| Sprinkle; Terry Joe Curtis | Evans | GA | | |

US-CL-CURRENT: 435/226; 435/252.3, 435/320.1, 435/471, 435/6, 435/69.1, 536/23.2

ABSTRACT:

Disclosed are the human aminopeptidase P cDNA and genomic DNA. Also disclosed is the human aminopeptidase P protein and antibodies reactive with human aminopeptidase P. These molecules, and derivatives of these molecules, are useful for assay for detecting aminopeptidase polymorphisms, protein variants, and activity, and identifying compounds that inhibit expression of aminopeptidase genes and activity of aminopeptidase protein.

18 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 34. Document ID: US 6355614 B1

L2: Entry 34 of 40 File: USPT Mar 12, 2002

US-PAT-NO: 6355614
DOCUMENT-IDENTIFIER: US 6355614 B1

TITLE: Cyclic boroproline compounds

DATE-ISSUED: March 12, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Wallner; Barbara P. | Weston | MA | | |

US-CL-CURRENT: 514/10; 514/249, 514/253.09

ABSTRACT:

Substantially pure preparations of cyclic boroProline compounds that bind, in cyclic or linear form, to CD26 are provided. Methods for using the cyclic compounds to stimulate the activation and/or proliferation of immune cells to achieve preselected normal in vivo levels of these cells also are provided. Evidence of the oral bioavailability and activity of a preferred cyclic compound, valine-prolineboronic acid (ValboroPro), also is provided.

8 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 35. Document ID: US 6303360 B1

L2: Entry 35 of 40 File: USPT Oct 16, 2001

US-PAT-NO: 6303360
DOCUMENT-IDENTIFIER: US 6303360 B1

TITLE: Polypeptides having aminopeptidase activity and nucleic acids encoding same

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Blinkovsky; Alexander | Davis | CA | | |
| Byun; Tony S. | Davis | CA | | |
| Klotz; Alan V. | Dixon | CA | | |
| Sloma; Alan | Davis | CA | | |
| Brown; Kimberly | Elk Grove | CA | | |
| Tang; Maria | Fairfield | CA | | |
| Fujii; Mikio | Shizuoka | | | JP |
| Marumoto; Chigusa | Shizuoka | | | JP |
| Kofod; Lene Venke | Uggel.o slashed.se | | | DK |

US-CL-CURRENT: 435/212; 435/219, 435/252.33, 435/320.1, 536/23.1, 536/23.2, 536/23.7

ABSTRACT:

The present invention relates to isolated polypeptides having aminopeptidase activity and isolated nucleic acid sequences encoding the polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the nucleic acid sequences as well as methods for producing and using the polypeptides.

28 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw. De

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☐ 36. Document ID: US 6258597 B1

L2: Entry 36 of 40 File: USPT Jul 10, 2001

US-PAT-NO: 6258597
DOCUMENT-IDENTIFIER: US 6258597 B1

TITLE: Stimulation of hematopoietic cells in vitro

DATE-ISSUED: July 10, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|

| | | |
|---|---|---|
| Bachovchin; William | Melrose | MA |
| Wallner; Barbara | Weston | MA |

US-CL-CURRENT: 435/325; 435/375, 435/377, 435/383

ABSTRACT:

Methods, compositions, and devices for stimulating the number and/or differentiation of hematopoietic cells in vitro are provided. The methods involve contacting the hematopoietic cells with an inhibitor of dipeptidyl peptidase (DPIV) in the absence of exogenously provided cytokines.

20 Claims, 9 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5



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☐ 37. Document ID: US 6184020 B1

L2: Entry 37 of 40 File: USPT Feb 6, 2001

US-PAT-NO: 6184020
DOCUMENT-IDENTIFIER: US 6184020 B1
**** See image for Certificate of Correction ****

TITLE: Polypeptides having aminopeptidase activity and nucleic acids encoding same

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---|---|---|---|---|
| Blinkovsky; Alexander | Davis | CA | | |
| Byun; Tony S. | Davis | CA | | |
| Klotz; Alan V. | Dixon | CA | | |
| Sloma; Alan | Davis | CA | | |
| Brown; Kimberly | Elk Grove | CA | | |
| Tang; Maria | Fairfield | CA | | |
| Fujii; Mikio | Shizuoka | | | JP |
| Marumoto; Chigusa | Shizuoka | | | JP |

US-CL-CURRENT: 435/212; 435/219, 536/23.2, 536/23.7

ABSTRACT:

The present invention relates to isolated polypeptides having aminopeptidase activity and isolated nucleic acid sequences encoding the polypeptides. The invention also relates to nucleic acid constructs, vectors, and host cells comprising the nucleic acid sequences as well as methods for producing and using the polypeptides.

23 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13



☐ 38. Document ID: WO 2005119526 A1

L2: Entry 38 of 40 File: DWPI Dec 15, 2005

DERWENT-ACC-NO: 2006-066968
DERWENT-WEEK: 200607


TITLE: New crystalline composition of dipeptidyl peptidase IV, useful for treating diseases, e.g. diabetes, obesity, osteoporosis, arthritis, hypertension, atherosclerosis, ulcer, or inflammatory bowel syndrome

INVENTOR: QIU, X

PRIORITY-DATA: 2004US-576877P (June 3, 2004)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| WO 2005119526 A1 | December 15, 2005 | E | 151 | G06F017/50 |

INT-CL (IPC): C07 K 14/00; G06 F 17/50

ABSTRACTED-PUB-NO: WO2005119526A
BASIC-ABSTRACT:

NOVELTY - A crystalline composition of the extracellular domain of mammalian dipeptidyl peptidase IV (DPP-IV) comprising one molecule per crystal asymmetric unit, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for:

(1) a polypeptide comprising the sequence of 766 amino acids (SEQ ID NO: 1) or its homologue or variant, where the molecules are arranged in a crystalline manner in a space group of P43212 so as to form a unit cell of dimensions a=b=68.7 Angstrom , c= 421.2 Angstrom and which diffracts X-rays for determination of the atomic coordinates of DPP-IV polypeptide to a resolution of 2.7 Angstrom ;

(2) a crystal of a protein-ligand molecule or molecular complex comprising: (i) a polypeptide with an amino acid sequence from Asp38 to Pro766 listed in SEQ ID NO: 1, or its homologue or variant; (ii) a ligand; and (iii) the crystal that diffracts X-rays for the determination of atomic coordinates of the protein-ligand complex to a resolution of greater than 2.7 Angstrom ;

(3) a method of designing a compound that binds to DPP-IV comprises the amino acid sequence spanning amino acids Gly31 to Pro766 listed in SEQ ID NO: 1, or its homologue or variant using the crystal above;

(4) a method for crystallizing a DPP-IV polypeptide molecule or molecular complex;

(5) a computer: (a) for producing a three-dimensional representation of a polypeptide with an amino acid sequence spanning amino acids Gly31 to Pro766 listed in SEQ ID NO: 1, or its homologue or variant; (b) for producing a three-dimensional representation of a molecule or molecular complex comprising the atomic coordinates having a root mean square deviation of less than 2.5, 2.0, 1.7, 1.5, 1.2, 1.0, 0.7, 0.5, or 0.2 Angstrom from the atomic coordinates for the carbon backbone atoms listed in the specification; or (c) for producing a three-dimensional representation of a molecule or molecular complex comprising a binding site defined by the structure coordinates given in the specification, or a the structural coordinates of a portion of the residues given in the specification, or the structural coordinates of one or more DPP-IV amino acids in SEQ ID NO: 1 selected from Glu205, Glu206, Tyr547, Ser630, Tyr631, Tyr662, Tyr666, Asp708, Asn710, or His740, the computer comprising: (i) a computer-readable data storage medium comprising a data storage material encoded with computer-readable data, where the data comprises the structure coordinates given in the specification, or their portions; (ii) a working memory for storing instructions for processing the computer-readable data; (iii) a central-processing unit coupled to the working memory and to the computer-readable data storage medium for processing the computer-machine readable data into the three-dimensional representation; and (iv) a display coupled to the central-processing unit for displaying the representation; and

(6) a method for identifying potential ligands for DPP-IV, or their homologues, analogues or variants.

ACTIVITY - Antidiabetic; Anorectic; Antilipemic; Osteopathic; Antiarthritic; Neuroprotective; Nephrotropic; Ophthalmological; Hypotensive; Antiarteriosclerotic; Antiulcer; Gastrointestinal-Gen; Antiinflammatory.

No biological data given.

MECHANISM OF ACTION - DPP-Inhibitor-IV.

USE - The crystal, composition, and method are useful for treating diseases, e.g. diabetes, obesity, lipidemia, osteoporosis, arthritis, diabetic neuropathy, diabetic nephropathy, diabetic retinopathy, diabetic cardiomyopathy, hypertension, atherosclerosis, ulcer, or inflammatory bowel syndrome.



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☐ 39. Document ID: JP 2004173695 A, EP 1422293 A1

L2: Entry 39 of 40 File: DWPI Jun 24, 2004

DERWENT-ACC-NO: 2004-413363
DERWENT-WEEK: 200441


TITLE: New crystal of an extracellular domain of mammalian dipeptidyl-peptidase IV (DPP-IV) useful for identifying or designing inhibitors of DPP-IV activity

INVENTOR: HENNIG, M; LOEFFLER, B M ; THOMA, R

PRIORITY-DATA: 2002EP-0026367 (November 25, 2002)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 2004173695 A | June 24, 2004 | | 214 | C12N015/09 |
| EP 1422293 A1 | May 26, 2004 | E | 215 | C12N009/48 |

INT-CL (IPC): A61 K 45/00; A61 P 3/04; A61 P 3/10; A61 P 35/00; C12 N 1/15; C12 N 1/19; C12 N 1/21; C12 N 5/10; C12 N 9/48; C12 N 15/09; C12 Q 1/37; G01 N 33/15; G01 N 33/50

ABSTRACTED-PUB-NO: EP 1422293A
BASIC-ABSTRACT:

NOVELTY - A crystal (I) of extracellular domain of mammalian dipeptidyl-peptidase (DPP)-IV, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a co-crystal of the extracellular domain of mammalian DPP-IV and a ligand bound to its active site;

(2) a co-crystal of the extracellular domain of mammalian DPP-IV and a ligand bound to an allosteric binding site;

(3) a co-crystal of the extracellular domain of mammalian DPP-IV and HgCl2;

(4) crystallizing (M1) mammalian DPP-IV, involves providing a buffered aqueous solution of pH 7-8.5 with a concentration of 7-22 mg/ml of the extracellular domain of mammalian DPP-IV, and growing crystals by vapor diffusion using a buffered reservoir solution with between 10-30% PEG and between 10-20% glycerol, where PEG has an average molecular weight between 1000-20000;

(5) co-crystallizing (M2) mammalian DPPIV and an active site ligand, involves providing a buffered aqueous solution of pH 7-8.5 with a concentration of 7-22 mg/ml of the extracellular domain of mammalian DPP-IV, adding a molar excess of the active site ligand to the aqueous solution of mammalian DPP-IV, and growing crystals by vapor diffusion using a buffered reservoir solution with between 10-30% PEG and between 10-20% glycerol, where PEG has an average molecular weight between 1000 and 20000;

(6) a crystal produced by (M1) and (M2);

(7) determining the three-dimensional structure of a crystallized extracellular domain of mammalian DPP-IV to a resolution of 3.5-2.1 Angstrom or better, involves crystallizing an extracellular domain of mammalian DPP-IV, and analyzing the extracellular domain of mammalian DPP-IV by X-ray diffraction to determine the three-dimensional structure of the crystallized extracellular domain of mammalian DPP-IV, where the three-dimensional structure of a crystallized extracellular domain of mammalian DPP-IV is determined to a resolution of 3.5-2.1 Angstrom or better;

(8) a machine-readable data storage medium comprising a data storage material encoded with machine readable data which, when using a machine programmed with instructions for using the data, displays a graphical three-dimensional representation of a molecule or molecular complex comprising at least a portion of the extracellular domain of mammalian DPP-IV comprising a fully defined sequence (S1) of 736 amino acids as given in the specification, where the extracellular domain comprising the ligand binding active site being defined by a set of points having a root mean square deviation of less than about 1.5 Angstrom from points representing the backbone atoms of the amino acids as represented by structure coordinates as given in the specification;

(9) a compound (II) identified by using (I);

(10) a pharmaceutical composition (III) comprising (I) and a carrier;

(11) an isolated nucleic acid sequence (IV) encoding the soluble extracellular domain of DPP-IV comprising a fully defined sequence (S2) of 2211 amino acids as given in the specification;

(12) a nucleic acid construct (V) comprising an expression vector and (IV);

(13) a host cell (VI) transformed with (V);

(14) producing the soluble extracellular domain of DPP-IV, involves culturing (VI) under conditions permitting the expression of the soluble extracellular domain of DPP-IV by (VI); and

(15) a polypeptide comprising the soluble extracellular domain of (S1).

ACTIVITY - Antidiabetic; Anorectic; Cytostatic.

MECHANISM OF ACTION - Inhibitor of DPP-IV (claimed). No supporting data is given.

USE - (I) is useful for identifying a compound that interacts with DPP-IV which involves generating (I) (a three-dimensional model of DPP-IV using atomic structure coordinates for DPP-IV as derived by X-ray diffraction from a crystal of DPP-IV) and a root mean square deviation from the backbone atoms of the amino acids of less than 1.5 Angstrom , and employing the three-dimensional model to design or select a compound that interacts with DPP-IV. The above method further involves obtaining the identified compound, and contacting the obtained compound with DPP-IV in order to determine the effect the compound has on DPP-IV activity. The compound interacts with the active site of DPP-IV. The compound interacts with an allosteric binding site of DPP-IV. The compound is an inhibitor of DPP-IV activity. The method is a computer-assisted method. (I) is useful for the identification and/or design of inhibitors of DPP-IV activity. (II) is useful as a therapeutic active substance, in particular for the treatment of diabetes type I, diabetes type II, IGT, obesity and cancer. (II) is useful for the manufacture of a medicament for the treatment of above mentioned disease (all claimed).

DESCRIPTION OF DRAWING(S) - The figure shows overall structure of dipeptidyl-peptidase (DPP)-IV.



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☐ 40. Document ID: JP 2005536995 W, WO 2004011640 A1, AU 2003253369 A1, EP 1525306 A1, US 20050260732 A1

L2: Entry 40 of 40 File: DWPI Dec 8, 2005

DERWENT-ACC-NO: 2004-156830
DERWENT-WEEK: 200580


TITLE: New crystal of dipeptidyl peptidase IV capable of analyzing its three-dimensional structure, useful for designing, identifying, evaluating or searching an effector of the dipeptidyl peptidase IV

INVENTOR: HIRAMATSU, H; KYONO, K ; SHIMA, H ; SUGIYAMA, S

PRIORITY-DATA: 2002US-398761P (July 29, 2002), 2005US-0522789 (January 28, 2005)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|---|---|---|---|
| JP 2005536995 W | December 8, 2005 | | 110 | C12N009/48 |
| WO 2004011640 A1 | February 5, 2004 | E | 342 | C12N009/48 |
| AU 2003253369 A1 | February 16, 2004 | | 000 | C12N009/48 |
| EP 1525306 A1 | April 27, 2005 | E | 000 | C12N009/48 |
| US 20050260732 A1 | November 24, 2005 | | 000 | C12N009/64 |

INT-CL (IPC): A61 K 45/00; A61 P 3/10; A61 P 19/02; A61 P 25/00; A61 P 29/00; A61 P 31/18; A61 P 35/00; A61 P 37/02; A61 P 43/00; C07 K 14/705; C12 N 9/48; C12 N 9/64; C12 N 15/09; C12 Q 1/37; G01 N 23/20; G01 N 33/15; G01 N 33/48; G01 N 33/50; G01 N 33/573; G06 F 19/00

ABSTRACTED-PUB-NO: WO2004011640A
BASIC-ABSTRACT:

NOVELTY - A crystal of a dipeptidyl peptidase IV, which is sufficient to ensure a resolution capable of analyzing its three-dimensional structure up to the side chain level by X-ray crystallographic structural analysis, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a three-dimensional structural coordinate of a dipeptidyl peptidase IV comprising the structural coordinate, which is fully defined in the specification or a structural coordinate different from the structural coordinate given in the specification;

(2) a three-dimensional structural coordinate of a region in a dipeptidyl peptidase IV comprising the three-dimensional structural coordinate of the region selected from: (a) the region of Ser 630, Asp 708 and His 740 in the amino acid sequence comprising 766 amino acids (SEQ ID NO. 2), and all or a part of a group of the amino acid residues located in the adjacent area of Ser 630, Asp 708 and His 740 in the structural coordinate given in the specification or the three-dimensional structure model defined by the structural coordinate; (b) the region of Ser 630, Asp 708 and His 740 in SEQ ID NO: 2, and all or a part of a group of the amino acid residues comprising amino acids capable of maintaining physicochemical characteristics physiologically equivalent to each of amino acids in the group of the amino acid residues located in the adjacent area of Ser 630, Asp 708 and His 740; (c) the region of a group of amino acid residues comprising amino acids capable of maintaining physicochemical characteristics physiologically equivalent to Ser 630, Asp 708 and His 740 in SEQ ID NO: 2, and all or a part of a group of the amino acid residues located adjacent area of the group of the amino acid residues in the structural coordinate given in the specification or the three-dimensional structure model defined by the structural coordinate; and (d) the region of a group of amino acid residues comprising amino acids capable of maintaining physicochemical characteristics physiologically equivalent to Ser 630, Asp 708 and His 740 in SEQ ID NO: 2, and all or a part of a group of amino acid residues comprising amino acids capable of maintaining physicochemical characteristics physiologically equivalent to each of the amino acids in the group of the amino acid residues located in the adjacent area of the group of the amino acids, in the structural coordinate given in the specification or the three-dimensional structure model defined by the structural coordinate, wherein the region in the dipeptidyl peptidase IV is a region involved in binding or

interaction between the dipeptidyl peptidase IV and an effector of the dipeptidyl peptidase IV;

(3) a method for obtaining a three-dimensional coordinate of a homologue protein of a dipeptidyl peptidase IV;

(4) a method for obtaining a three-dimensional structural coordinate of a crystal of a complex of a dipeptidyl peptidase IV and an effector of the dipeptidyl peptidase;

(5) a method for identifying pharmacophore of an effector of the dipeptidyl peptidase IV;

(6) a method for designing, identifying, evaluating or searching an effector of a dipeptidyl peptidase IV;

(7) an effector of the dipeptidyl peptidase IV obtainable by the method above; and

(8) a program and a medium for use of the three-dimensional structural coordinate, wherein all and/or a part of the three-dimensional structural coordinate is recorded.

ACTIVITY - Immunomodulatory; Antidiabetic; Antiinflammatory; Neuroprotective; Antithyroid; Antirheumatic; Antiarthritic; Anti-HIV; Cytostatic.

MECHANISM OF ACTION - Dipeptidyl peptidase IV effector.

USE - The crystal of a dipeptidyl peptidase IV is useful for providing a three-dimensional structural coordinate as the information for designing, identifying, evaluating or searching an effector of the dipeptidyl peptidase IV. The effector is useful as modulatory agent of immune response and as a therapeutic or prophylactic agent for diabetes, inflammation, multiple sclerosis, Graves' disease, chronic rheumatoid arthritis, AIDS or cancer.



| Terms | Documents |
|---|---|
| L1 and x-ray | 40 |

# Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 1 through 30 of 79 returned.

☐ 1. Document ID: US 20060024313 A1

L5: Entry 1 of 79 File: PGPB Feb 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060024313
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060024313 A1

TITLE: Agents that disrupt dimer formation in DPP-IV family of prolyl dipeptidases

PUBLICATION-DATE: February 2, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Chen; Xin | Miaoli | | TW |
| Chen; Yuan-Shou | Taipei City | | TW |

US-CL-CURRENT: 424/146.1; 435/226, 435/320.1, 435/325, 435/69.1, 530/388.26, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 2. Document ID: US 20060024298 A1

L5: Entry 2 of 79 File: PGPB Feb 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060024298
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060024298 A1

TITLE: Optimized Fc variants

PUBLICATION-DATE: February 2, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Lazar; Gregory Alan | Los Angeles | CA | US |
| Dang; Wei | Pasadena | CA | US |
| Desjarlais; John J. | Pasadena | CA | US |
| Karki; Sher Bahadur | Pasadena | CA | US |
| Vafa; Omid | Monrovia | CA | US |
| Hayes; Robert | Paoli | PA | US |

US-CL-CURRENT: 424/133.1; 530/387.3

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 3. Document ID: US 20060019347 A1

L5: Entry 3 of 79 File: PGPB Jan 26, 2006

PGPUB-DOCUMENT-NUMBER: 20060019347
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060019347 A1

TITLE: Biosynthetic polypeptides utilizing non-naturally encoded amino acids

PUBLICATION-DATE: January 26, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Cho; Ho Sung | San Diego | CA | US |
| Daniel; Thomas O. | La Jolla | CA | US |
| Hays; Anna-Maria | La Jolla | CA | US |
| Wilson; Troy E. | San Marino | CA | US |
| Litzinger; David C. | Poway | CA | US |
| Mariani; Roberto | San Diego | CA | US |
| Kimmel; Bruce E. | San Diego | CA | US |
| Keefe; William M. | San Diego | CA | US |

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 4. Document ID: US 20060014777 A1

L5: Entry 4 of 79 File: PGPB Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060014777
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060014777 A1

TITLE: Pyrrolo(oxo)isoquinolines as 5HT ligands

PUBLICATION-DATE: January 19, 2006

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Fevig; John M. | Doylestown | PA | US |
| Feng; Jianxin | Levittown | PA | US |
| Ahmad; Saleem | Wall | NJ | US |

US-CL-CURRENT: 514/291; 546/81

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 5. Document ID: US 20050272799 A1

L5: Entry 5 of 79 File: PGPB Dec 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050272799
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050272799 A1

TITLE: Fused Heterocyclic succinimide compounds and analogs thereof, modulators of nuclear hormone receptor function

PUBLICATION-DATE: December 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Pickering, Dacia A. | Lawrenceville | NJ | US |
| Giese, Soren | New Hope | PA | US |
| Fura, Aberra | Lawrenceville | NJ | US |
| Li, Wenying | Middletown | CT | US |
| Patel, Ramesh N. | Bridgewater | NJ | US |
| Hanson, Ronald L. | Morris Plains | NJ | US |
| Mitt, Toomas | Plainsboro | NJ | US |
| Roberge, Jacques Y. | Princeton | NJ | US |
| Corte, James R. | Lawrenceville | NJ | US |
| Spergel, Steven H. | Warrington | PA | US |
| Rampulla, Richard A. | Flemington | NJ | US |
| Misra, Raj N. | Hopewell | NJ | US |
| Xiao, Hai-Yun | Princeton | NJ | US |

US-CL-CURRENT: 514/411

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 6. Document ID: US 20050261271 A1

L5: Entry 6 of 79 File: PGPB Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050261271
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050261271 A1

TITLE: Dipeptidyl peptidase inhibitors

PUBLICATION-DATE: November 24, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Feng, Jun | Carlsbad | CA | US |
| Gwaltney, Stephen L. | San Diego | CA | US |
| Stafford, Jeffrey A. | San Diego | CA | US |
| Zhang, Zhiyuan | San Diego | CA | US |
| Elder, Bruce J. | Wynantskill | NY | US |
| Isbester, Paul K. | Castleton | NY | US |
| Palmer, Grant J. | Clifton Park | NY | US |
| Salsbury, Jonathon S. | Albany | NY | US |
| Ulysse, Luckner G. | Albany | NY | US |

US-CL-CURRENT: 514/210.2; 514/217.05, 514/217.06, 514/241, 514/275, 540/601, 544/209, 544/331

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 7. Document ID: US 20050260732 A1

L5: Entry 7 of 79 File: PGPB Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050260732
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050260732 A1

TITLE: Three-dimensional structure of dipeptidyl peptidase IV

PUBLICATION-DATE: November 24, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hiramatsu, Hajime | Osaka | | JP |
| Kyono, Kiyoshi | Osaka | | JP |
| Shima, Hideaki | Hyogo | | JP |
| Sugiyama, Shigeru | Nara | | JP |

US-CL-CURRENT: 435/226; 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 8. Document ID: US 20050260697 A1

L5: Entry 8 of 79 File: PGPB Nov 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050260697
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050260697 A1

TITLE: Proteolytic markers as diagnostic biomarkers for cancer, organ injury and muscle rehabilitation/exercise overtraining

PUBLICATION-DATE: November 24, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Wang, Kevin Ka-Wang | Gainesville | FL | US |
| Hayes, Ronald | Gainesville | FL | US |
| Liu, Ming Chen | Gainesville | FL | US |
| Oli, Monika | Gainesville | FL | US |

US-CL-CURRENT: 435/23

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 9. Document ID: US 20050256310 A1

L5: Entry 9 of 79 File: PGPB Nov 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050256310
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050256310 A1

TITLE: Therapeutic compounds

PUBLICATION-DATE: November 17, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hulin, Bernard | Essex | CT | US |
| Piotrowski, David W. | Groton | CT | US |

US-CL-CURRENT: 544/279; 544/330, 544/360, 544/362

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 10. Document ID: US 20050239839 A1

L5: Entry 10 of 79 File: PGPB Oct 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050239839
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050239839 A1

TITLE: Adamantylglycine-based inhibitors of dipeptidyl peptidase IV and methods

PUBLICATION-DATE: October 27, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hamann, Lawrence G. | Cherry Hill | NJ | US |
| Khanna, Ashish | Ambler | PA | US |

| | | | |
|---|---|---|---|
| Kirby, Mark S. | New Hope | PA | US |
| Magnin, David R. | Hamilton | NJ | US |
| Simpkins, Ligaya M. | Titusville | NJ | US |
| Sutton, James C. | Princeton Junction | NJ | US |
| Robl, Jeffrey | Newtown | PA | US |

US-CL-CURRENT: 514/319; 514/365, 514/412, 514/423, 514/519, 546/203, 548/200, 548/452, 548/528, 558/429

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 11. Document ID: US 20050234129 A1

L5: Entry 11 of 79 File: PGPB Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050234129
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050234129 A1

TITLE: Salts of nateglinide

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sutton, Paul Allen | Parsippany | NJ | US |
| Vivilecchia, Richard Victor | Rockaway | NJ | US |
| Parker, David John | West Milford | NJ | US |
| De La Cruz, Marilyn | Matawan | NJ | US |

US-CL-CURRENT: 514/563; 514/62, 536/55.3, 562/450

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 12. Document ID: US 20050234065 A1

L5: Entry 12 of 79 File: PGPB Oct 20, 2005

PGPUB-DOCUMENT-NUMBER: 20050234065
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050234065 A1

TITLE: Dipeptidyl peptidase-IV inhibitors

PUBLICATION-DATE: October 20, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hulin, Bernard | Essex | CT | US |
| Parker, Janice C. | Ledyard | CT | US |

| | | | |
|---|---|---|---|
| Piotrowski, David W. | Groton | CT | US |

US-CL-CURRENT: 514/249; 514/265.1, 514/301, 514/302, 514/303, 514/365, 514/373, 514/423, 544/281, 544/330, 546/114, 546/115, 546/118, 548/200, 548/537

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 13. Document ID: US 20050228044 A1

L5: Entry 13 of 79 File: PGPB Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050228044
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050228044 A1

TITLE: Ppar alpha selective compounds for the treatment of dyslipidemia and other lipid disorders

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Shi, Guo Q. | Monmouth Junction | NJ | US |
| Zhang, Yong | West Windsor | NJ | US |

US-CL-CURRENT: 514/469; 549/468

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 14. Document ID: US 20050228021 A1

L5: Entry 14 of 79 File: PGPB Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050228021
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050228021 A1

TITLE: Adamantylglycine-based inhibitors of dipeptidyl peptidase IV and methods

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hamann, Lawrence G. | Cherry Hill | NJ | US |
| Khanna, Ashish | Ambler | PA | US |
| Kirby, Mark S. | New Hope | PA | US |
| Magnin, David R. | Hamilton | NJ | US |
| Simpkins, Ligaya M. | Titusville | NJ | US |
| Sutton, James C. | Princeton Junction | NJ | US |
| Robl, Jeffrey | Newtown | PA | US |

US-CL-CURRENT: 514/319; 514/365, 514/412, 514/423, 514/522, 546/204, 548/200, 548/454, 548/528, 558/429

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 15. Document ID: US 20050222140 A1

L5: Entry 15 of 79 File: PGPB Oct 6, 2005

PGPUB-DOCUMENT-NUMBER: 20050222140
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050222140 A1

TITLE: Phenylalanine derivatives as depeptidyl peptidase inhibitors for the treatment or prevention of diabetes

PUBLICATION-DATE: October 6, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Colandrea, Vincent J. | North Brunswick | NJ | US |
| Edmondson, Scott D. | New York | NY | US |
| Mathvink, Robert J. | Red Bank | NJ | US |
| Mastracchio, Anthony | Edison | NJ | US |
| Weber, Ann E. | Scotch Plains | NJ | US |
| Xu, Jinyou | Scotch Plains | NJ | US |

US-CL-CURRENT: 514/227.5; 514/317, 544/59, 546/225

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De

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☐ 16. Document ID: US 20050214218 A1

L5: Entry 16 of 79 File: PGPB Sep 29, 2005

PGPUB-DOCUMENT-NUMBER: 20050214218
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050214218 A1

TITLE: Therapeutic methods and compositions using viruses of the recombinant paramyxoviridae family

PUBLICATION-DATE: September 29, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Russell, Stephen James | Rochester | MN | US |
| Cattaneo, Roberto | Rochester | MN | US |
| Peng, Kah-Whye | Rochester | MN | US |
| Schneider, Urs | Rochester | MN | US |

Murphy, Anthea L. Rochester MN US

US-CL-CURRENT: 424/9.1; 424/93.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 17. Document ID: US 20050197359 A1

L5: Entry 17 of 79 File: PGPB Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050197359
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050197359 A1

TITLE: Bicyclic modulators of androgen receptor function

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Nirschl, Alexandra | Yardley | PA | US |
| Sutton, James C. | Princeton Junction | NJ | US |
| Hamann, Lawrence | Cherry Hill | NJ | US |
| Wang, Tammy | Lawrenceville | NJ | US |
| Zou, Yan | Levittown | PA | US |
| Sun, Chongqing | East Windsor | NJ | US |

US-CL-CURRENT: 514/301; 514/302, 514/367, 514/375, 514/393, 546/114, 546/115, 548/153, 548/217, 548/302.7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 18. Document ID: US 20050192253 A1

L5: Entry 18 of 79 File: PGPB Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050192253
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050192253 A1

TITLE: Fused heterocyclic succinimide compounds and analogs thereof, modulators of nuclear hormone receptor function

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Pickering, Dacia A. | Lawrenceville | NJ | US |

| | | | |
|---|---|---|---|
| Giese, Soren | New Hope | PA | US |
| Fura, Aberra | Lawrenceville | NJ | US |
| Li, Wenying | Middletown | CT | US |
| Patel, Ramesh N. | Bridgewater | NJ | US |
| Hanson, Ronald L. | Morris Plains | NJ | US |
| Mitt, Toomas | Plainsboro | NJ | US |
| Roberge, Jacques Y. | Princeton | NJ | US |
| Corte, James R. | Lawrenceville | NJ | US |
| Spergel, Steven H. | Warrington | PA | US |
| Rampulla, Richard A. | Flemington | NJ | US |
| Misra, Raj N. | Hopewell | NJ | US |
| Xiao, Hai-Yun | Princeton | NJ | US |

US-CL-CURRENT: 514/80; 514/292, 514/411, 546/81, 548/412, 548/428

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 19. Document ID: US 20050186630 A1

L5: Entry 19 of 79 File: PGPB Aug 25, 2005

PGPUB-DOCUMENT-NUMBER: 20050186630
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050186630 A1

TITLE: Extended tethering approach for rapid identification of ligands

PUBLICATION-DATE: August 25, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Erlanson, Daniel A. | San Francisco | CA | US |
| Braisted, Andrew C. | San Francisco | CA | US |
| McDowell, Robert | San Francisco | CA | US |
| Prescott, John | San Francisco | CA | US |

US-CL-CURRENT: 435/6; 435/7.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 20. Document ID: US 20050170409 A1

L5: Entry 20 of 79 File: PGPB Aug 4, 2005

PGPUB-DOCUMENT-NUMBER: 20050170409
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050170409 A1

TITLE: Method and apparatus for increasing the dynamic range and accuracy of

binding assays

PUBLICATION-DATE: August 4, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Keys, Daniel A. | Irvine | CA | US |
| Reddy, Parameswara M. | Brea | CA | US |

US-CL-CURRENT: 435/6; 435/287.2, 702/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 21. Document ID: US 20050124661 A1

L5: Entry 21 of 79 File: PGPB Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050124661
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050124661 A1

TITLE: Substituted azole acid derivatives useful as antidiabetic and antiobesity agents and method

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Cheng, Peter T. | Princeton | NJ | US |
| Zhang, Hao | Belle Mead | NJ | US |
| Hariharan, Narayanan | Richboro | PA | US |

US-CL-CURRENT: 514/332; 514/340, 546/256, 546/268.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 22. Document ID: US 20050119228 A1

L5: Entry 22 of 79 File: PGPB Jun 2, 2005

PGPUB-DOCUMENT-NUMBER: 20050119228
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050119228 A1

TITLE: METHOD FOR THE PREPARATION OF FUSED HETEROCYCLIC SUCCINIMIDE COMPOUNDS AND ANALOGS THEREOF

PUBLICATION-DATE: June 2, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Mitt, Toomas | Plainsboro | NJ | US |
| Patel, Ramesh N. | Bridgewater | NJ | US |
| Hanson, Ronald L. | Morris Plains | NJ | US |
| Brzozowski, David | Piscataway | NJ | US |
| Goswami, Animesh | Plainsboro | NJ | US |
| Chu, Linda Nga Hoong | East Brunswick | NJ | US |
| Li, Wen-sen | Holmdel | NJ | US |
| Simpson, James H. | Hillsborough | NJ | US |
| Totleben, Michael J. | North Brunswick | NJ | US |
| He, Weixuan | Dayton | NJ | US |

US-CL-CURRENT: 514/80; 514/411, 548/414, 548/429

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 23. Document ID: US 20050107390 A1

L5: Entry 23 of 79 File: PGPB May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107390
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050107390 A1

TITLE: Beta-amino heterocyclic dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Brockunier, Linda L. | Orange | NJ | US |
| Duffy, Joseph L. | Cranford | NJ | US |
| Kim, Dooseop | Westfield | NJ | US |
| Parmee, Emma R. | Scotch Plains | NJ | US |
| Weber, Ann E. | Scotch Plains | NJ | US |

US-CL-CURRENT: 514/249; 544/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 24. Document ID: US 20050096319 A1

L5: Entry 24 of 79 File: PGPB May 5, 2005

PGPUB-DOCUMENT-NUMBER: 20050096319
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050096319 A1

TITLE: Identification of compounds that inhibit replication of human immunodeficiency virus

PUBLICATION-DATE: May 5, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Balzarini, Jan Maria Rene | Heverlee | | BE |
| Vahlne, Anders | Stockholm | | SE |
| Hogberg, Marita | Tullinge | | SE |
| Tong, Weimin | Uppsala | | SE |

US-CL-CURRENT: 514/242; 514/255.02, 514/269, 514/317, 514/326, 514/327

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 25. Document ID: US 20050080115 A1

L5: Entry 25 of 79 File: PGPB Apr 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050080115
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050080115 A1

TITLE: Novel compounds, their preparation and use

PUBLICATION-DATE: April 14, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Jeppesen, Lone | Virum | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |
| Sauerberg, Per | Farum | | DK |
| Pihera, Pavel | Praha | | CZ |
| Havranek, Miroslav | Praha | | CZ |

US-CL-CURRENT: 514/357; 514/408, 514/485, 514/522, 514/532, 546/335, 548/571, 558/410, 560/24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 26. Document ID: US 20050077497 A1

L5: Entry 26 of 79 File: PGPB Apr 14, 2005

PGPUB-DOCUMENT-NUMBER: 20050077497
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050077497 A1

TITLE: Stabilized uncoated particles of reversed liquid crystalline phase materials

PUBLICATION-DATE: April 14, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Anderson, David | Ashland | VA | US |

US-CL-CURRENT: 252/299.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 27. Document ID: US 20050070583 A1

L5: Entry 27 of 79 File: PGPB Mar 31, 2005

PGPUB-DOCUMENT-NUMBER: 20050070583
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050070583 A1

TITLE: Novel compounds, their preparation and use

PUBLICATION-DATE: March 31, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Jeppesen, Lone | Virum | | DK |
| Mogensen, John Patrick | Herlev | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |
| Sauerberg, Per | Farum | | DK |
| Pihera, Pavel | Praha | | CZ |
| Havranek, Miroslav | Praha | | CZ |

US-CL-CURRENT: 514/357; 514/408, 514/485, 546/335, 548/571, 558/410, 560/24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 28. Document ID: US 20050054570 A1

L5: Entry 28 of 79 File: PGPB Mar 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050054570
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050054570 A1

TITLE: Albumin fusion proteins

PUBLICATION-DATE: March 10, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Rosen, Craig A. | Laytonsville | MD | US |

Haseltine, William A. Washington DC US

US-CL-CURRENT: 514/12; 530/363

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 29. Document ID: US 20050038020 A1

L5: Entry 29 of 79 File: PGPB Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050038020
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050038020 A1

TITLE: Adamantylglycine-based inhibitors of dipeptidyl peptidase IV and methods

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Hamann, Lawrence G. | Cherry Hill | NJ | US |
| Khanna, Ashish | Ambler | PA | US |
| Kirby, Mark S. | New Hope | PA | US |
| Magnin, David R. | Hamilton | NJ | US |
| Simpkins, Ligaya M. | Titusville | NJ | US |
| Sutton, James C. | Princeton Junction | NJ | US |
| Robl, Jeffrey | Newtown | PA | US |

US-CL-CURRENT: 514/227.5; 514/237.5, 514/319, 544/155, 544/59, 546/203

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 30. Document ID: US 20050037376 A1

L5: Entry 30 of 79 File: PGPB Feb 17, 2005

PGPUB-DOCUMENT-NUMBER: 20050037376
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050037376 A1

TITLE: 2-O sulfatase compositions and related methods

PUBLICATION-DATE: February 17, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sasisekharan, Ram | Lincoln | MA | US |
| Myette, James R. | Belmont | MA | US |
| Shriver, Zachary | Boston | MA | US |

Venkataraman, Ganesh Waltham MA US

US-CL-CURRENT: 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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| Terms | Documents |
|---|---|
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☐ 31. Document ID: US 20050009870 A1

L5: Entry 31 of 79 File: PGPB Jan 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050009870
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050009870 A1

TITLE: Tetrahydroquinoline derivatives as cannabinoid receptor modulators

PUBLICATION-DATE: January 13, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sher, Philip M. | Plainsboro | NJ | US |
| Sun, Chongqing | East Windsor | NJ | US |
| Sulsky, Richard B. | West Trenton | NJ | US |
| Wu, Gang | Princeton | NJ | US |
| Ewing, William R. | Yardley | PA | US |

US-CL-CURRENT: 514/312; 546/158

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 32. Document ID: US 20040266674 A1

L5: Entry 32 of 79 File: PGPB Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040266674
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040266674 A1

TITLE: Lp mammalian proteins; related reagents

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mills, Bradley Jay | Fountaintown | IN | US |
| Mishra, Santosh Kumar | The Capricorn | IN | SG |
| Su, Eric Wen | Carmel | IN | US |
| Varga, Gabor | Indianapolis | IN | US |

Wang, He Carmel US

US-CL-CURRENT: 514/12; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 33. Document ID: US 20040259950 A1

L5: Entry 33 of 79 File: PGPB Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040259950
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040259950 A1

TITLE: Novel compounds, their preparation and use

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sauerberg, Per | Farum | | DK |
| Jeppesen, Lone | Virum | | DK |
| Polivka, Zdenek | Praha | | CZ |
| Sindelar, Karel | Praha | | CZ |

US-CL-CURRENT: 514/566; 514/616, 562/450

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 34. Document ID: US 20040242853 A1

L5: Entry 34 of 79 File: PGPB Dec 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040242853
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040242853 A1

TITLE: Glp-1 exendin-4 peptide analogs and uses thereof

PUBLICATION-DATE: December 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Greig, Nigel | Phoenix | MD | US |
| Egan, Josephine | Baltimore | MD | US |
| Doyle, Maire | Baltimore | MD | US |

US-CL-CURRENT: 530/399

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 35. Document ID: US 20040201117 A1

L5: Entry 35 of 79 File: PGPB Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040201117
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040201117 A1

TITLE: COATED PARTICLES, METHODS OF MAKING AND USING

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Anderson, David | Colonial Heights | VA | US |

US-CL-CURRENT: 264/4.3; 264/4.6, 428/402.2, 428/402.21

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 36. Document ID: US 20040176324 A1

L5: Entry 36 of 79 File: PGPB Sep 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040176324
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040176324 A1

TITLE: Fused heterocyclic succinimide compounds and analogs thereof, modulators of nuclear hormone receptor function

PUBLICATION-DATE: September 9, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Pickering, Dacia A. | Lawrenceville | NJ | US |
| Giese, Soren | New Hope | PA | US |
| Fura, Aberra | Lawrenceville | NJ | US |
| Li, Wenying | Middletown | CT | US |
| Patel, Ramesh N. | Bridgewater | NJ | US |
| Hanson, Ronald L. | Morris Plains | NJ | US |

US-CL-CURRENT: 514/79; 514/150, 514/411, 534/787, 548/414, 548/428, 548/429

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 37. Document ID: US 20040167133 A1

L5: Entry 37 of 79 File: PGPB Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040167133
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040167133 A1

TITLE: Beta-amino tetrahydroimidazo (1, 2-a) pyrazines and tetrahydrotrioazolo (4,3-a) pyrazines as dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Edmondson, Scott D. | Rahway | NJ | US |
| Fisher, Michael | Ringoes | NJ | US |
| Kim, Dooseop | Westfield | NJ | US |
| Maccoss, Malcolm | Freehold | NJ | US |
| Parmee, Emma R | Scotch Plains | NJ | US |
| Weber, Ann E | Scotch Plains | NJ | US |
| Xu, Jinyou | Scotch Plains | NJ | US |

US-CL-CURRENT: 514/249; 544/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 38. Document ID: US 20040156816 A1

L5: Entry 38 of 79 File: PGPB Aug 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040156816
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040156816 A1

TITLE: Lipid-drug complexes in reversed liquid and liquid crystalline phases

PUBLICATION-DATE: August 12, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Anderson, David | Ashland | VA | US |

US-CL-CURRENT: 424/70.22; 424/70.27

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 39. Document ID: US 20040143006 A1

L5: Entry 39 of 79 File: PGPB Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040143006
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040143006 A1

TITLE: Novel compounds, their preparation and use

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Jeppesen, Lone | Virum | | DK |
| Mogensen, John Patrick | Herlev | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |
| Sauerberg, Per | Farum | | DK |

US-CL-CURRENT: 514/485; 514/357, 514/408, 546/335, 548/571, 558/415, 560/24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 40. Document ID: US 20040126777 A1

L5: Entry 40 of 79 File: PGPB Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126777
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040126777 A1

TITLE: Lp mammalian proteins; related reagents

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Bhatt, Ramesh Rajani | Carmel | IN | US |
| Calley, John Nels | lndianapolis | IN | US |
| Heuer, Josef Georg | Indianapolis | IN | US |
| Keleher, Gerald Patrick | Indianapolis | IN | US |
| Lancaster, Joanne Sloan | Indianapolis | IN | US |
| Li, Qingqin | Flemington | NJ | US |
| Lu, Deshun | Carmel | IN | US |
| Mills, Bradley Jay | Fountaintown | IN | US |
| Mishra, Santosh Kumar | Singapore | IN | SG |
| Perkins, Douglas Raymond | New Palestine | IN | US |
| Rowlinson, Scott William | Indianapolis | IN | US |
| Smith, Rosamund Carol | Greenfield | IN | US |
| Su, Eric Wen | Carmel | IN | US |

| | | | |
|---|---|---|---|
| Wang, He | Carmel | IN | US |
| Zhi, Yu | Indianapolis | | US |

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/69.1, 530/350, 530/388.1, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 41. Document ID: US 20040115135 A1

L5: Entry 41 of 79 File: PGPB Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040115135
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040115135 A1

TITLE: Compositions and methods for enhanced mucosal delivery of peptide YY and methods for treating and preventing obesity

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Quay, Steven C. | Edmonds | WA | US |

US-CL-CURRENT: 424/46; 514/12

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 42. Document ID: US 20040106656 A1

L5: Entry 42 of 79 File: PGPB Jun 3, 2004

PGPUB-DOCUMENT-NUMBER: 20040106656
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040106656 A1

TITLE: Dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes

PUBLICATION-DATE: June 3, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Ashton, Wallace T | Edison | NJ | US |
| Caldwell, Charles G | Scotch Plains | NJ | US |
| Ok, Hyun O | Edison | NJ | US |
| Parmee, Emma R | Scotch Plains | NJ | US |
| Weber, Ann E | Scotch Plains | NJ | US |

US-CL-CURRENT: 514/365; 514/326, 514/423, 546/208, 546/209, 548/200, 548/537

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 43. Document ID: US 20040082607 A1

L5: Entry 43 of 79 File: PGPB Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040082607
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040082607 A1

TITLE: Fused heterocyclic compounds

PUBLICATION-DATE: April 29, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Oi, Satoru | Nara-shi, Nara | NC | JP |
| Ikedou, Koji | Himeji-shi Hyogo | | JP |
| Takeuchi, Koji | Chapel Hill | | US |
| Ogino, Masaki | Hyogo | | JP |
| Banno, Yoshihiro | Osaka | | JP |
| Tawada, Hiroyuki | Osaka | | JP |
| Yamane, Taihei | Hyogo | | JP |

US-CL-CURRENT: 514/310

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 44. Document ID: US 20040077606 A1

L5: Entry 44 of 79 File: PGPB Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077606
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040077606 A1

TITLE: Fused cyclic modulators of nuclear hormone receptor function

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Shan, Weifang | Princeton | NJ | US |
| Giese, Soren | New Hope | PA | US |
| Harikrishnan, Lalgudi S. | Princeton | NJ | US |

US-CL-CURRENT: 514/81; 514/248, 514/249, 514/303, 544/236, 544/252, 544/337,

544/350, 546/118

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 45. Document ID: US 20040077605 A1

L5: Entry 45 of 79 File: PGPB Apr 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040077605
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040077605 A1

TITLE: Fused heterocyclic succinimide compounds and analogs thereof, modulators of nuclear hormone receptor function

PUBLICATION-DATE: April 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Pickering, Dacia A. | Lawrenceville | NJ | US |
| Giese, Soren | New Hope | PA | US |
| Fura, Aberra | Lawrenceville | NJ | US |
| Li, Wenying | Middletown | CT | US |
| Patel, Ramesh N. | Bridgewater | NJ | US |
| Hanson, Ronald L. | Morris Plains | NJ | US |
| Mitt, Toomas | Plainsboro | NJ | US |
| Roberge, Jacques Y. | Princeton | NJ | US |
| Corte, James R. | Lawrenceville | NJ | US |
| Spergel, Steven H. | Warrington | PA | US |
| Rampulla, Richard A. | Flemington | NJ | US |
| Misra, Raj N. | Hopewell | NJ | US |
| Xiao, Hai-Yun | Princeton | NJ | US |

US-CL-CURRENT: 514/81; 514/411, 514/412, 548/412, 548/434, 548/452

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 46. Document ID: US 20040072160 A1

L5: Entry 46 of 79 File: PGPB Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040072160
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040072160 A1

TITLE: Molecular toxicology modeling

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mendrick, Donna | Gaithersburg | MD | US |
| Porter, Mark | Gaithersburg | MD | US |
| Johnson, Kory | Gaithersburg | MD | US |
| Higgs, Brandon | Gaithersburg | MD | US |
| Castle, Arthur | Gaithersburg | MD | US |
| Elashoff, Michael | Gaithersburg | MD | US |

US-CL-CURRENT: 435/6; 435/91.2, 436/84

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 47. Document ID: US 20040054177 A1

L5: Entry 47 of 79 File: PGPB Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054177
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040054177 A1

TITLE: Novel benzimidazole derivatives

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Otake, Norikazu | Tsukuba-shi | | JP |
| Moriya, Minoru | Tsukuba-shi | | JP |
| Ogino, Yoshio | Tsukuba-shi | | JP |
| Matsuda, Kenji | Tokyo | | JP |
| Nagae, Yoshikazu | Tsukuba-shi | | JP |
| Kanatani, Akio | Tsukuba-shi | | JP |
| Fukami, Takehiro | Tsukuba-shi | | JP |

US-CL-CURRENT: 544/230; 546/18, 548/300.7

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 48. Document ID: US 20040054171 A1

L5: Entry 48 of 79 File: PGPB Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054171
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040054171 A1

TITLE: Polymorphic forms of a 4H-thieno[3,2-E]-1,2,4-thiadiazine 1,1-dioxide derivative

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Jensen, Anette Frost | Copenhagen O | | DK |
| Junager, Finn Broni | Charlottenlund | | DK |
| Jessen, Claus Ulrich | Vanloese | | DK |
| Kornoe, Hanne T efting | Lyngby | | DK |
| Palitzsch, Peter | Radebeul | | DE |

US-CL-CURRENT: 544/10

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 49. Document ID: US 20040053889 A1

L5: Entry 49 of 79 File: PGPB Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040053889
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040053889 A1

TITLE: Pharmaceutical use of boronic acids and esters thereof

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Ebdrup, Soren | Roskilde | | DK |
| Vedso, Per | Frederiksberg | | DK |
| Jacobsen, Poul | Slangerup | | DK |

US-CL-CURRENT: 514/64

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 50. Document ID: US 20040044181 A1

L5: Entry 50 of 79 File: PGPB Mar 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040044181
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040044181 A1

TITLE: Novel nucleic acids and polypeptides

PUBLICATION-DATE: March 4, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Tang, Y. Tom | San Jose | CA | US |
| Liu, Chenghua | San Jose | CA | US |
| Asundi, Vinod | Foster City | CA | US |
| Wehrman, Tom | Stanford | CA | US |
| Ren, Feiyan | Cupertino | CA | US |
| Zhou, Ping | Cupertino | CA | US |
| Zhao, Qing A. | San Jose | CA | US |
| Drmanac, Radoje T. | Palo Alto | CA | US |
| Zhang, Jie | Campbell | CA | US |
| Xue, Aidong | Sunnyvale | CA | US |
| Wang, Jian-Rui | Cupertino | CA | US |
| Wang, Dunrui | Poway | CA | US |

US-CL-CURRENT: 530/350; 435/320.1, 435/325, 435/69.1, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 51. Document ID: US 20030199563 A1

L5: Entry 51 of 79 File: PGPB Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030199563
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030199563 A1

TITLE: Heterocyclic containing biphenyl aP2 inhibitors and method

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Robl, Jeffrey A. | Newtown | PA | US |
| Magnin, David R. | Hamilton | NJ | US |

US-CL-CURRENT: 514/374; 514/384, 514/396, 514/404, 514/406, 514/438, 514/463, 548/202, 548/235, 548/263.2, 548/343.5, 548/356.1, 549/430, 549/78

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 52. Document ID: US 20030199451 A1

L5: Entry 52 of 79 File: PGPB Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030199451
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030199451 A1

TITLE: Combination therapy using a dual PPAR-a/PPAR-y activator and a GLP-1 derivative for the treatment of metabolic syndrome and related diseases and disorders

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mogensen, John Patrick | Herlev | | DK |
| Sauerberg, Per | Farum | | DK |
| Bury, Paul Stanley | Kobenhavn | | DK |
| Jeppesen, Lone | Virum | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |

US-CL-CURRENT: 514/12; 514/357, 514/408, 514/419, 514/469, 514/567, 514/570

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 53. Document ID: US 20030195200 A1

L5: Entry 53 of 79 File: PGPB Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030195200
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030195200 A1

TITLE: Compounds, their preparation and use

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mogensen, John Patrick | Herlev | | DK |
| Sauerberg, Per | Farum | | DK |
| Bury, Paul Stanley | Kobenhavn | | DK |
| Jeppesen, Lone | Virum | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |

US-CL-CURRENT: 514/225.2; 514/229.8, 514/250, 514/291, 514/297, 514/357, 544/102, 544/347, 544/35, 546/102, 546/276.7, 546/285, 546/85

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 54. Document ID: US 20030190740 A1

L5: Entry 54 of 79 File: PGPB Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030190740
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030190740 A1

TITLE: Stabilized bioactive peptides and methods of identification, synthesis, and use

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Altman, Elliot | Athens | GA | US |

US-CL-CURRENT: 435/226; 530/303, 530/308, 530/309, 530/399

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 55. Document ID: US 20030187254 A1

L5: Entry 55 of 79 File: PGPB Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187254
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030187254 A1

TITLE: Acetyl-CoA carboxylase inhibitors

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Perry, David A. | Mystic | CT | US |
| Harwood, H. James | Ledyard | CT | US |

US-CL-CURRENT: 540/575; 540/585, 540/593, 544/102, 544/347, 544/362, 544/363, 544/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 56. Document ID: US 20030166690 A1

L5: Entry 56 of 79 File: PGPB Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166690
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030166690 A1

TITLE: Use of compounds for decreasing activity of hormone-sensitive

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Ebdrup, Soren | Roskilde | | DK |
| de Jong, Johannes Cornelis | Bagsvaerd | | NL |
| Jacobsen, Poul | Slangerup | | DK |
| Hansen, Holger Claus | Vaerlose | | DK |

| | | |
|---|---|---|
| Vedso, Per | Frederiksberg | DK |

US-CL-CURRENT: 514/354; 514/423, 514/521, 514/599, 514/625

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 57. Document ID: US 20030166644 A1

L5: Entry 57 of 79 File: PGPB Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166644
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030166644 A1

TITLE: Compounds and uses thereof for decreasing activity of hormone-sensitive lipase

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Ebdrup, Soren | Roskilde | | DK |
| de Jong, Johannes Cornelis | Bagsvaerd | | DK |
| Jacobsen, Poul | Slangerup | | DK |
| Hansen, Holger Claus | Vaerlose | | DK |
| Vedso, Per | Frederiksberg | | DK |

US-CL-CURRENT: 514/227.5; 514/227.8, 514/235.5, 514/237.5, 514/241, 514/252.02, 514/252.11, 514/252.14, 514/253.13, 514/255.01, 514/317, 514/318, 514/478, 544/124, 544/209, 544/238, 544/295, 544/357, 544/360, 544/59, 544/60, 546/194, 546/226

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 58. Document ID: US 20030158232 A1

L5: Entry 58 of 79 File: PGPB Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158232
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030158232 A1

TITLE: Substituted azole acid derivatives useful as antidiabetic and antiobesity agents and method

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Cheng, Peter T. | Princeton | NJ | US |
| Zhang, Hao | Belle Mead | NJ | US |

Hariharan, Narayanan Richboro PA US

US-CL-CURRENT: 514/333; 514/340, 514/341, 514/342, 514/367, 514/375, 514/397, 546/256, 546/269.7, 546/271.4, 546/272.7, 548/203, 548/235

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 59. Document ID: US 20030153011 A1

L5: Entry 59 of 79 File: PGPB Aug 14, 2003

PGPUB-DOCUMENT-NUMBER: 20030153011
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030153011 A1

TITLE: Methods and reagents for conducting multiplexed assays of multiple analytes

PUBLICATION-DATE: August 14, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Bell, Michael L. | Fullerton | CA | US |

US-CL-CURRENT: 435/7.9; 435/6, 436/527

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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☐ 60. Document ID: US 20030138432 A1

L5: Entry 60 of 79 File: PGPB Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030138432
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030138432 A1

TITLE: Selective cellular targeting: multifunctional delivery vehicles, multifunctional prodrugs, use as antineoplastic drugs

PUBLICATION-DATE: July 24, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Glazier, Arnold | Newton | MA | US |

US-CL-CURRENT: 424/178.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

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Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

# Hit List

First Hit | Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

**Search Results** - Record(s) 61 through 79 of 79 returned.

☐ 61. Document ID: US 20030114420 A1

L5: Entry 61 of 79 File: PGPB Jun 19, 2003

PGPUB-DOCUMENT-NUMBER: 20030114420
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030114420 A1

TITLE: Fused cyclic modulators of nuclear hormone receptor function

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Salvati, Mark E. | Lawrenceville | NJ | US |
| Balog, James Aaron | Lambertville | NJ | US |
| Shan, Weifang | Princeton | NJ | US |
| Giese, Soren | New Hope | PA | US |

US-CL-CURRENT: 514/79; 514/291, 514/292, 540/455, 540/460, 546/23

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 62. Document ID: US 20030108743 A1

L5: Entry 62 of 79 File: PGPB Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030108743
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030108743 A1

TITLE: Coated particles, methods of making and using

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Anderson, David M. | Colonial Heights | VA | US |

US-CL-CURRENT: 428/402.24

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 63. Document ID: US 20030100563 A1

L5: Entry 63 of 79 File: PGPB May 29, 2003

PGPUB-DOCUMENT-NUMBER: 20030100563
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030100563 A1

TITLE: Beta-amino heterocyclic dipeptidyl peptidase inhibitors for the treatment or prevention of diabetes

PUBLICATION-DATE: May 29, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Edmondson, Scott D. | New York | NJ | US |
| Fisher, Michael H. | Ringoes | NJ | US |
| Kim, Dooseop | Westfield | NJ | US |
| Maccoss, Malcolm | Freehold | NJ | US |
| Parmee, Emma R. | Scotch Plains | NJ | US |
| Weber, Ann E. | Scotch Plains | NJ | US |
| Xu, Jinyou | Scotch Plains | NJ | US |

US-CL-CURRENT: 514/249; 544/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 64. Document ID: US 20030092736 A1

L5: Entry 64 of 79 File: PGPB May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092736
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030092736 A1

TITLE: Substituted azole acid derivatives useful as antidiabetic and antiobesity agents and method

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Cheng, Peter T. | Princeton | NJ | US |
| Zhang, Hao | Belle Mead | NJ | US |
| Hariharan, Narayanan | Richboro | PA | US |

US-CL-CURRENT: 514/333; 514/340, 514/365, 514/374, 514/396, 546/256, 546/270.4, 546/271.4, 546/272.7, 546/276.4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 65. Document ID: US 20030078737 A1

L5: Entry 65 of 79 File: PGPB Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030078737
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030078737 A1

TITLE: Method and apparatus for increasing the dynamic range and accuracy of binding assays

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Keys, Daniel A. | Irvine | CA | US |
| Reddy, Parameswara M. | Brea | CA | US |

US-CL-CURRENT: 702/19; 435/7.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 66. Document ID: US 20030077569 A1

L5: Entry 66 of 79 File: PGPB Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077569
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030077569 A1

TITLE: Methods and reagents for improved cell-based assays

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Clausell, Adrian | San Diego | CA | US |
| Gu, Jirong | Irvine | CA | US |
| Reddy, Parameswara Meda | Brea | CA | US |

US-CL-CURRENT: 435/4; 435/23, 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 67. Document ID: US 20030074679 A1

L5: Entry 67 of 79 File: PGPB Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030074679
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030074679 A1

TITLE: Administration of nucleic acid sequence to female animal to enhance growth in offspring

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Schwartz, Robert J. | Houston | TX | US |
| Draghia-Akli, Ruxandra | Houston | TX | US |
| Smith, Roy G. | Houston | TX | US |
| Kern, Douglas R. | The Woodlands | TX | US |
| Carpenter, Robert H. | Bastrop | TX | US |

US-CL-CURRENT: 800/14; 435/455, 435/458, 800/16, 800/17, 800/19

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 68. Document ID: US 20030040516 A1

L5: Entry 68 of 79 File: PGPB Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030040516
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030040516 A1

TITLE: Pyrazinone inhibitors of fatty acid binding protein and method

PUBLICATION-DATE: February 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sulsky, Richard | West Trenton | NJ | US |
| Robl, Jeffrey A. | Newtown | PA | US |

US-CL-CURRENT: 514/247; 514/252.01, 514/252.03, 514/252.05, 544/238, 544/239

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw D

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☐ 69. Document ID: US 20030031677 A1

L5: Entry 69 of 79 File: PGPB Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030031677
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030031677 A1

TITLE: Exponential pattern recognition based cellular targeting, compositions, methods and anticancer applications

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Glazier, Arnold | Newton | MA | US |

US-CL-CURRENT: 424/178.1; 435/455

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 70. Document ID: US 20030022242 A1

L5: Entry 70 of 79 File: PGPB Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022242
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030022242 A1

TITLE: Particles with improved solubilization capacity

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Anderson, David | Colonial Heights | VA | US |

US-CL-CURRENT: 435/7.1; 424/490

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 71. Document ID: US 20020150947 A1

L5: Entry 71 of 79 File: PGPB Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150947
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020150947 A1

TITLE: Extended tethering approach for rapid identification of ligands

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Erlanson, Daniel A. | San Francisco | CA | US |
| Braisted, Andrew C. | San Francisco | CA | US |
| McDowell, Robert | San Francisco | CA | US |

Prescott, John San Francisco CA US

US-CL-CURRENT: 435/7.1; 435/6, 436/518

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 72. Document ID: US 20020110538 A1

L5: Entry 72 of 79 File: PGPB Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020110538
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020110538 A1

TITLE: Methods and products for tumor immunotherapy using cytokines

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mathiowitz, Edith | Brookline | MA | US |
| Jong, Yong S. | Providence | RI | US |
| Egilmez, Nejat K. | E. Amherst | NY | US |
| Bankert, Richard B. | Eden | NY | US |
| Jacob, Jules S. | Taunton | MA | US |

US-CL-CURRENT: 424/85.1; 424/491

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 73. Document ID: US 20020103242 A1

L5: Entry 73 of 79 File: PGPB Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103242
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020103242 A1

TITLE: Benzopyrancarboxylic acid derivatives for the treatment of diabetes and lipid disorders

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sahoo, Soumya P. | Old Bridge | NJ | US |
| Koyama, Hiroo | Hoboken | NJ | US |
| Miller, Daniel J. | Edison | NJ | US |
| Boueres, Julia K. | Piscataway | NJ | US |
| Desai, Ranjit C. | Kendall Park | NJ | US |

US-CL-CURRENT: 514/379; 514/230.5, 514/266.24, 514/375, 514/394, 514/414, 514/456, 544/105, 544/253, 548/217, 548/241, 548/454, 549/435, 549/436

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 74. Document ID: US 20020091078 A1

L5: Entry 74 of 79 File: PGPB Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091078
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020091078 A1

TITLE: Tetrahydropyrimidone inhibitors of fatty acid binding protein and method

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sulsky, Richard | West Trenton | NJ | US |
| Robl, Jeffrey A. | Newtown | PA | US |

US-CL-CURRENT: 514/4; 514/274, 544/231, 544/316

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 75. Document ID: US 20020082292 A1

L5: Entry 75 of 79 File: PGPB Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082292
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020082292 A1

TITLE: Benzopyrancarboxylic acid derivatives for the treatment of diabetes and lipid disorders

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sahoo, Soumya P. | Old Bridge | NJ | US |
| Koyama, Hiroo | Hoboken | NJ | US |
| Miller, Daniel J. | Edison | NJ | US |
| Boueres, Julia K. | Piscataway | NJ | US |
| Desai, Ranjit C. | Kendall Park | NJ | US |

US-CL-CURRENT: 514/456; 549/405

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 76. Document ID: US 20020077340 A1

L5: Entry 76 of 79 File: PGPB Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077340
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020077340 A1

TITLE: Pyridone inhibitors of fatty acid binding protein and method

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Sulsky, Richard | West Trenton | NJ | US |
| Robl, Jeffrey A. | Newtown | PA | US |

US-CL-CURRENT: 514/336; 514/345, 546/268.1, 546/290

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 77. Document ID: US 20020061839 A1

L5: Entry 77 of 79 File: PGPB May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020061839
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020061839 A1

TITLE: Serine peptidase modulators

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Scharpe, Simon Lodewijk | Antwerpen | | BE |
| De Meester, Ingrid Anna Jozef | Wilrijk | | BE |
| Lambeir, Anne-Marie Virginie Renee | Heverlee | | BE |
| Augustyns, Koen Jan Ludovicus | Minderhout | | BE |
| Haemers, Achiel Jean-Marie | Sint-Martens-Latem | | BE |
| Goossens, Filip Jozef Anny | Kampenhout | | BE |
| Hendriks, Dirk Frans | Aartselaar | | BE |
| Beliaev, Alexandre Arkadicvitch | Mindelo-Vila do Conde | | PT |

US-CL-CURRENT: 514/7; 424/93.1, 435/1.1, 514/17, 530/330

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 78. Document ID: US 20010043914 A1

L5: Entry 78 of 79 File: PGPB Nov 22, 2001

PGPUB-DOCUMENT-NUMBER: 20010043914
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010043914 A1

TITLE: Methods and products for tumor immunotherapy

PUBLICATION-DATE: November 22, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mathiowitz, Edith | Brookline | MA | US |
| Jong, Yong S. | Warwick | RI | US |
| Jacob, Jules S. | Taunton | MA | US |
| Egilmez, Nejat K. | E. Amherst | NY | US |
| Bankert, Richard B. | Eden | NY | US |

US-CL-CURRENT: 424/85.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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☐ 79. Document ID: US 20010041709 A1

L5: Entry 79 of 79 File: PGPB Nov 15, 2001

PGPUB-DOCUMENT-NUMBER: 20010041709
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010041709 A1

TITLE: New compounds, their preparation and use

PUBLICATION-DATE: November 15, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY |
|---|---|---|---|
| Mogensen, John Patrick | Herlev | | DK |
| Sauerberg, Per | Farum | | DK |
| Bury, Paul Stanley | Kobenhavn NV | | DK |
| Jeppesen, Lone | Virum | | DK |
| Pettersson, Ingrid | Frederiksberg | | DK |

US-CL-CURRENT: 514/277; 514/408, 514/521, 514/532, 514/534, 546/335, 546/341, 548/561, 548/572, 558/441, 560/37, 560/55

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

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**STN Search** **10/659,055 & 10/666,941**

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FILE 'HOME' ENTERED AT 15:31:47 ON 08 FEB 2006

=> s (dipeptidyl peptidase IV or dppiv) and crystal
L1          22 FILE MEDLINE
L2          45 FILE CAPLUS
L3          42 FILE SCISEARCH
L4           2 FILE LIFESCI
L5          19 FILE BIOSIS
L6          27 FILE EMBASE

TOTAL FOR ALL FILES
L7         157 (DIPEPTIDYL PEPTIDASE IV OR DPPIV) AND CRYSTAL

=> s l7 not 2003-2006/py
TOTAL FOR ALL FILES
L14         20 L7 NOT 2003-2006/PY

=> dup rem l14
PROCESSING COMPLETED FOR L14
L15          11 DUP REM L14 (9 DUPLICATES REMOVED)

=> d ibib abs 1-11

L15  ANSWER 1 OF 11  SCISEARCH  COPYRIGHT (c) 2006 The Thomson Corporation  on
     STN
ACCESSION NUMBER:    2002:292458  SCISEARCH Full-text
THE GENUINE ARTICLE: 536GE
TITLE:               Extracellular cysteines define ectopeptidase (APN, CD 13)
                     expression and function
AUTHOR:              Firla B (Reprint); Arndt M; Frank K; Thiel U; Ansorge S;
                     Tager M; Lendeckel U
CORPORATE SOURCE:    Univ Magdeburg, Inst Immunol, Leipziger Str 44, D-39120
                     Magdeburg, Germany (Reprint); Univ Magdeburg, Inst
                     Immunol, D-39120 Magdeburg, Germany; Univ Magdeburg, Inst
                     Expt Internal Med, Ctr Internal Med, D-39120 Magdeburg,
                     Germany
COUNTRY OF AUTHOR:   Germany
SOURCE:              FREE RADICAL BIOLOGY AND MEDICINE, (1 APR 2002) Vol. 32,
                     No. 7, pp. 584-595.
                     ISSN: 0891-5849.
PUBLISHER:           PERGAMON-ELSEVIER SCIENCE LTD, THE BOULEVARD, LANGFORD
                     LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND.
DOCUMENT TYPE:       Article; Journal
LANGUAGE:            English
REFERENCE COUNT:     56
ENTRY DATE:          Entered STN: 19 Apr 2002
                     Last Updated on STN: 19 Apr 2002
                    *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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AB Alanyl aminopeptidase (APN) is a surface-bound metallopeptidase that processes the N-terminals of biologically active peptides such as enkephalins, angiotensins, neurokinins, and cytokines. It exerts profound activity on vital processes such as immune response, cellular growth, and blood pressure control. Inhibition of either APN gene expression or its enzymatic activity severely affects leukocyte growth and function. We show here that oxidoreductase-mediated modulations of the cell surface thiol status affect the enzymatic activity of APN. Additional evidence for the pivotal role of extracellular cysteines in the APN molecule was obtained when substitution of any of these six cysteines caused complete loss of surface expression and enzymatic activity. In contrast, the transmembrane Cys24 appears to have no similar function. Enzymatically inactive cysteine mutants were retained in the endoplasmic reticulum as shown by high-resolution imaging and Endoglycosidase H digestion. In the absence of any crystal-structure data, the demonstration that individual extracellular cysteines contribute to APN expression and function appears to be of particular importance. The data are the first to show thiol-dependent modulation of the activity of a typical surface-bound peptidase at the cell surface, probably reflecting a general regulating mechanism. This may relate to various disease processes such as inflammation or malignant transformation, (C) 2002 Elsevier Science Inc.

L15 ANSWER 2 OF 11 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2002184012 MEDLINE Full-text
DOCUMENT NUMBER: PubMed ID: 11915948
TITLE: The prolyl oligopeptidase family.
AUTHOR: Polgar L
CORPORATE SOURCE: Institute of Enzymology, Hungarian Academy of Sciences, Budapest.
SOURCE: Cellular and molecular life sciences : CMLS, (2002 Feb) 59 (2) 349-62. Ref: 156
Journal code: 9705402. ISSN: 1420-682X.
PUB. COUNTRY: Switzerland
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200204
ENTRY DATE: Entered STN: 20020403
Last Updated on STN: 20020413
Entered Medline: 20020412

AB A group of serine peptidases, the prolyl oligopeptidase family, cannot hydrolyze peptides containing more than about 30 residues. This group is unrelated to the classical trypsin and subtilisin families, and includes dipeptidyl peptidase IV, acylaminoacyl peptidase and oligopeptidase B, in addition to the prototype prolyl oligopeptidase. The recent crystal structure determination of prolyl oligopeptidase (80 kDa) has shown that the enzyme contains a peptidase domain with an alpha/beta hydrolase fold, and its catalytic triad is covered by the central tunnel of an unusual seven-bladed beta-propeller. This domain operates as a gating filter, excluding large, structured peptides from the active site. The binding mode of substrates and the catalytic mechanism differ from that of the classical serine peptidases in several features. The members of the family are important targets of drug design. Prolyl oligopeptidase is involved in amnesia, depression and blood pressure control, dipeptidyl peptidase IV in type 2 diabetes and oligopeptidase B in trypanosomiasis.

L15 ANSWER 3 OF 11 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN
ACCESSION NUMBER: 2003401962 EMBASE Full-text
TITLE: Proteolytic enzymes as therapeutic targets - Keystone symposium: 3-8 February 2002, Keystone, CO, USA.
AUTHOR: Creemers J.
CORPORATE SOURCE: J. Creemers, Department for Human Genetics, Katholieke Universiteit Leuven, Gasthuisberg O/N 6, Herestraat 49, B-3000 Leuven, Belgium. john.creemers@med.kuleuven.ac.be
SOURCE: IDrugs, (2002) Vol. 5, No. 3, pp. 216-219. .
ISSN: 1369-7056 CODEN: IDRUFN
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Conference Article
FILE SEGMENT: 029 Clinical Biochemistry
037 Drug Literature Index
030 Pharmacology
003 Endocrinology
016 Cancer
033 Orthopedic Surgery
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 20031023
Last Updated on STN: 20031023

AB The Keystone Symposium 'Proteolytic Enzymes as Therapeutic Targets' was attended by approximately 150 scientists. Around two-thirds of the participants consisted of representatives from pharmaceutical companies, but representatives from academic institutes dominated the list of speakers. The meeting attracted scientists from many different fields, including biochemistry, molecular biology, structural biology, pharmacology, chemistry, and bioinformatics. The science ranged from the discovery and characterization of novel proteinases to the development and clinical trials of proteinase inhibitors and was presented as posters or in oral sessions. The discussions following the oral presentations were always very animated, but hardly ever heated. Although there were a few new drugs being presented, the real highlight was the enormous potential of recently discovered proteinases as new therapeutic targets. Both pharmaceutical companies and academic institutes are investing in programs to integrate the avalanche of new

information coming from functional genomics, proteomics and structural information to create a platform for applied proteinase technology.

L15 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2001:723704 CAPLUS Full-text
DOCUMENT NUMBER: 136:2627
TITLE: Sulphostin, a potent inhibitor for dipeptidyl peptidase IV from Streptomyces sp. MK251-43F3
AUTHOR(S): Akiyama, Tetsuo; Abe, Masatoshi; Harada, Shigeko; Kojima, Fukiko; Sawa, Ryuichi; Takahashi, Yoshikazu; Naganawa, Hiroshi; Homma, Yoshiko; Hamada, Masa; Yamaguchi, Akihito; Aoyagi, Takaaki; Muraoka, Yasuhiko; Takeuchi, Tomio
CORPORATE SOURCE: Institute of Microbial Chemistry, Tokyo, 141-0021, Japan
SOURCE: Journal of Antibiotics (2001), 54(9), 744-746
CODEN: JANTAJ; ISSN: 0021-8820
PUBLISHER: Japan Antibiotics Research Association
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The production, isolation, and structure elucidation of isolated sulfostin (1) and its epimer were presented. Sulfostin was isolated from the culture broth of Streptomyces sp. MK251-43F3 together with its epimer, which was found to be formed during the isolation process. The fermentation process of producing sulfostin was extremely hard due to low productivity, tedious isolation procedure, and unavoidable epimerization during the isolation process. Chemical syntheses of sulfostin and its three diastereomers was successfully obtained. The X-ray crystal anal. of synthesized 1 showed that the absolute configurations of the C-3 and the phosphorus atoms of 1 were S and R, resp. The structure of sulfostin was found to be 3(S)-amino-1-[(R)-amino(sulfoamino)phosphinyl]-2-piperidone. Sulfostin showed inhibitory activities of dipeptidyl peptidase IV (DPPIV) with dose-dependent manner, and the IC50 value was 6 ng/mL, which was determined to be 100-fold stronger than that of diprotin A (a known DPP-IV inhibitor).
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:752831 CAPLUS Full-text
DOCUMENT NUMBER: 134:38982
TITLE: A novel free-mounting system for protein crystals: transformation and improvement of diffraction power by accurately controlled humidity changes
AUTHOR(S): Kiefersauer, Reiner; Than, Manuel E.; Dobbek, Holger; Gremer, Lothar; Melero, Marcos; Strobl, Stefan; Dias, Joao; Soulimane, Tewfik; Huber, Robert
CORPORATE SOURCE: Max-Planck-Institut fur Biochemie, Martinsried, D-82152, Germany
SOURCE: Journal of Applied Crystallography (2000), 33(5), 1223-1230
CODEN: JACGAR; ISSN: 0021-8898
PUBLISHER: Munksgaard International Publishers Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A novel device for capillary-free mounting of protein crystals is described. A controlled stream of air allows an accurate adjustment of the humidity at the crystal. The crystal is held on the tip of a micropipette. With a video system (CCD camera), the two-dimensional shadow projections of crystals can be recorded for optical anal. Instead of the micropipette, a standard loop can also be used. Expts. and results for different crystal systems demonstrate the use of this method, also in combination with shock-freezing, to improve crystal order. Working with oxygen-free gases offers the possibility of crystal measurements under anaerobic conditions. Furthermore, the controlled application of arbitrary volatile substances with the gas stream is practicable.
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 11 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2000181799 MEDLINE Full-text
DOCUMENT NUMBER: PubMed ID: 10716680
TITLE: Butyrate and trichostatin A effects on the

proliferation/differentiation of human intestinal epithelial cells: induction of cyclin D3 and p21 expression.

AUTHOR: Siavoshian S; Segain J P; Kornprobst M; Bonnet C; Cherbut C; Galmiche J P; Blottiere H M

CORPORATE SOURCE: Centre de Recherche en Nutrition Humaine de Nantes, INSERM U539, CHU Hotel-Dieu, Nantes, France.

SOURCE: Gut, (2000 Apr) 46 (4) 507-14.
Journal code: 2985108R. ISSN: 0017-5749.

PUB. COUNTRY: ENGLAND: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals

ENTRY MONTH: 200004

ENTRY DATE: Entered STN: 20000512
Last Updated on STN: 20000512
Entered Medline: 20000428

AB BACKGROUND: Sodium butyrate, a product of colonic bacterial fermentation, is able to inhibit cell proliferation and to stimulate cell differentiation of colonic epithelial cell lines. It has been proposed that these cellular effects could be linked to its ability to cause hyperacetylation of histone through the inhibition of histone deacetylase. AIM: To analyse the molecular mechanisms of butyrate action on cell proliferation/differentiation and to compare them with those of trichostatin A, a well known inhibitor of histone deacetylase. METHODS: HT-29 cells were grown in the absence or presence of butyrate or trichostatin A. Cell proliferation and cell cycle distribution were studied after DNA staining by crystal violet and propidium iodide respectively. Cell cycle regulatory proteins were studied by western blot and reverse transcription-polymerase chain reaction. Cell differentiation was followed by measuring brush border enzyme activities. Histone acetylation was studied by acid/urea/Triton acrylamide gel electrophoresis. RESULTS: Butyrate blocked cells mainly in the G(1) phase of the cell cycle, whereas trichostatin A was inhibitory in both G(1) and G(2) phases. Butyrate inhibited the mRNA expression of cyclin D1 without affecting its protein expression and stimulated the protein expression of cyclin D3 without affecting its mRNA expression. Trichostatin A showed similar effects on cyclin D1 and D3. Butyrate and trichostatin A stimulated p21 expression both at the mRNA and protein levels, whereas their effects on the expression of cyclin dependent kinases were slightly different. Moreover, butyrate strongly stimulated the activity of alkaline phosphatase and dipeptidyl peptidase IV, whereas trichostatin A had no effect. Finally, a six hour exposure to butyrate or trichostatin A induced histone H4 hyperacetylation. At 15 and 24 hours, histone H4 remained hyperacetylated in the presence of butyrate, whereas it returned to control levels in the presence of trichostatin A. CONCLUSIONS: The data may explain how butyrate acts on cell proliferation/differentiation, and they show that trichostatin A does not reproduce every effect of butyrate, mainly because of its shorter half life.

L15 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:765555 CAPLUS Full-text

DOCUMENT NUMBER: 130:133643

TITLE: Inhibition of dipeptidyl peptidase IV by fluoroolefin-containing N-peptidyl-O-hydroxylamine peptidomimetics

AUTHOR(S): Lin, Jian; Toscano, Paul J.; Welch, John T.

CORPORATE SOURCE: Department of Chemistry, University at Albany, Albany, NY, 12222, USA

SOURCE: Proceedings of the National Academy of Sciences of the United States of America (1998), 95(24), 14020-14024
CODEN: PNASA6; ISSN: 0027-8424

PUBLISHER: National Academy of Sciences

DOCUMENT TYPE: Journal

LANGUAGE: English

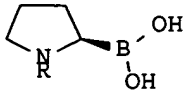
AB Dipeptidyl peptidase IV (EC 3.4.14.5; DPP IV), also known as the leukocyte differentiation antigen CD26 when found as an extracellular membrane-bound proline specific serine protease, cleaves a dipeptide from the N terminus of a polypeptide chain containing a proline residue in the penultimate position. Here the authors report that known (Z)-Ala-ψ[CF=C]-Pro dipeptide isosteres, which contain O-acylhydroxylamines, were isolated as diastereomeric pairs. The effect of each diastereomeric pair as an inhibitor of human placental dipeptidyl peptidase DPP IV has been examined The inhibition of DPP IV by these compds. is rapid and efficient. Fluoroolefin containing N-peptidyl-O- hydroxylamine peptidomimetics, by virtue of their inhibitory potency and stability, are superior to N-peptidyl-O-hydroxylamine inhibitors derived from an Ala-Pro dipeptide.

REFERENCE COUNT: 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS

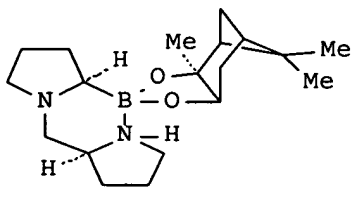
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3
ACCESSION NUMBER: 1998:78797 CAPLUS Full-text
DOCUMENT NUMBER: 128:254527
TITLE: Structure of proline iminopeptidase from Xanthomonas campestris pv. citri: a prototype for the prolyl oligopeptidase family
AUTHOR(S): Medrano, F. J.; Alonso, J.; Garcia, J. L.; Romero, A.; Bode, W.; Gomis-Ruth, F. X.
CORPORATE SOURCE: Max-Plank-Institut fur Biochemie, Abteilung Strukturforschung, Martinsried, D-82152, Germany
SOURCE: EMBO Journal (1998), 17(1), 1-9
CODEN: EMJODG; ISSN: 0261-4189
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Proline iminopeptidase (I) from X. campestris pv. citri is a serine peptidase that catalyzes the removal of N-terminal Pro residues from peptides with high specificity. Here, the authors solved its 3-dimensional structure by multiple isomorphous replacement and refined it to a crystallog. R-factor of 19.2% using x-ray data to 2.7 Å resolution I was folded into 2 contiguous domains. The larger domain showed the general topol. of the α/β hydrolase fold, with a central 8-stranded β-sheet flanked by 2 helixes and the 11 N-terminal residues on one side, and by 4 helixes on the other side. The smaller domain was placed on top of the larger domain and essentially consisted of 6 helixes. The active site, located at the end of a deep pocket at the interface between both domains, included a catalytic triad of Ser-110, Asp-266, and His-294. Cys-269, located at the bottom of the active site very close to the catalytic triad, presumably accounts for the inhibition by thiol-specific reagents. The overall topol. of I was very similar to that of yeast serine carboxypeptidase. The striking secondary structure similarity to human lymphocytic prolyl oligopeptidase and dipeptidyl peptidase IV makes this I structure a suitable model for the 3-dimensional structure of other peptidases of this family.
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:183432 CAPLUS Full-text
DOCUMENT NUMBER: 122:240402
TITLE: Studies on Proline Boronic Acid Dipeptide Inhibitors of Dipeptidyl Peptidase IV : Identification of a Cyclic Species Containing a B-N Bond
AUTHOR(S): Snow, Roger J.; Bachovchin, William W.; Barton, Randall W.; Campbell, Scot J.; Coutts, Simon J.; Freeman, Dorothy M.; Gutheil, William G.; Kelly, Terence A.; Kennedy, Charles A.; et al.
CORPORATE SOURCE: Department of Medicinal Chemistry Pharmacology, Boehringer Ingelheim Pharmaceuticals Inc., Ridgefield, CT, 06877, USA
SOURCE: Journal of the American Chemical Society (1994), 116(24), 10860-9
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I



II

AB The proline boronic acid dipeptides I (R = H-Ala, H-Pro, H-Val) are very potent inhibitors of the enzyme dipeptidyl peptidase IV (DPP IV or CD26), found on the surface of T-cells, and are a new class of immunosuppressants. The efficient synthesis of the free boronic acids as single enantiomers is described, and the absolute configuration determined I lose DPP IV inhibitory activity in solution: this is shown to be due to the reversible formation of a cyclic species analogous to a diketopiperazine, containing a B-N bond. The cyclic compds., both as the free boronic acids and as the pinanediol esters, were isolated and characterized by 1H and 11B NMR, and in the case of II, by x-ray crystallog. The cyclization is pH dependent, with the open form favored at low pH, while the cyclic form predominates at neutral pH. Both the rate and extent of cyclization depend on the N-terminal amino acid. The rates of cyclization have been measured by 1H NMR and shown to correlate with the decrease in DPP IV inhibitory activity. I (R = H-Val) cyclizes more slowly, and to a lesser extent than I (R = H-Ala, H-Pro), which is predicted to lead to greater immunosuppressive potency in vivo.

L15 ANSWER 10 OF 11 SCISEARCH COPYRIGHT (c) 2006 The Thomson Corporation on STN

ACCESSION NUMBER: 1994:217981 SCISEARCH Full-text
THE GENUINE ARTICLE: NF042
TITLE: INFLUENCE ON PROLINE-SPECIFIC ENZYMES OF A SUBSTRATE CONTAINING THE THIOXOAMINOACYL-PROLYL PEPTIDE-BOND
AUTHOR: SCHUTKOWSKI M (Reprint); NEUBERT K; FISCHER G
CORPORATE SOURCE: MAX PLANCK GESELL FORDERUNG WISSENSCH EV, ARBEITSGRP ENZYMOL PEPTIDBINDUNG, WEINBERGWEG 16A, D-06120 HALLE, GERMANY (Reprint); UNIV HALLE WITTENBERG, INST BIOCHEM, FACHBEREICH BIOCHEM BIOTECHNOL, HALLE, GERMANY
COUNTRY OF AUTHOR: GERMANY
SOURCE: EUROPEAN JOURNAL OF BIOCHEMISTRY, (1 APR 1994) Vol. 221, No. 1, pp. 455-461.
ISSN: 0014-2956.
PUBLISHER: SPRINGER VERLAG, 175 FIFTH AVE, NEW YORK, NY 10010.
DOCUMENT TYPE: Article; Journal
FILE SEGMENT: LIFE
LANGUAGE: English
REFERENCE COUNT: 57
ENTRY DATE: Entered STN: 1994
Last Updated on STN: 1994

*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*

AB Dipeptidyl peptidase IV from porcine kidney and aminopeptidase P from Escherichia coli can utilize thioxoalanyl-proline´4-nitroanilide but with decreased kinetic constants compared to the nor mal substrates. Product analysis showed that exclusively thioxoalanyl-proline was liberated in the case of dipeptidyl peptidase IV catalysis and thioxo-alanine in the case of aminopeptidase-P-mediated thioxo peptide bond hydrolysis. For the proline-specific aminopeptidase P the k(cat)/K-m value for the thioxo peptide is 1100-fold lower than for the corresponding oxo peptide. This difference is entirely due to k(cat). Because the rotation about the thioxo amide bond is about 12.5 kJ mol(-1) more difficult than rotation about an amide bond, these data support a mechanism involving rate-limiting rotation about the scissile peptide bond. It was found that the specificity rate constant for the reaction of thioxoalanyl-proline LF-nitroanilide and dipeptidyl peptidase TV is 100-1000-fold lower compared to the corresponding rate constant for alanyl-proline 4-nitroanilide. This remarkable effect is interpreted in terms of a distorted binding of the transition state for the thioxo substrate. The hydrolysis of the thioxo substrate by dipeptidyl peptidase IV is isomer-specific. The conformation about the nonscissile P-2-P-1 thioxo amide bond has to be in trans for successful cleavage of the scissile peptide bond. We can now directly compare the rotational energy barrier of the prolyl peptide bond for the oxo and the thioxo form.

L15 ANSWER 11 OF 11 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 74010061 EMBASE Full-text
DOCUMENT NUMBER: 1974010061
TITLE: Chemical studies on tuberactinomycin. V. Structures of guanidino amino acids in tuberactinomycins.
AUTHOR: Wakamiya T.; Shiba T.; Kaneko T.; et al.

CORPORATE SOURCE: Dept. Chem., Fac. Sci., Osaka Univ., Toyonaka, Osaka, Japan
SOURCE: Bulletin of the Chemical Society of Japan, (1973) Vol. 46, No. 3, pp. 949-954. .
CODEN: BCSJA8
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
LANGUAGE: English
DATA NOT AVAILABLE FOR THIS ACCESSION NUMBER

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